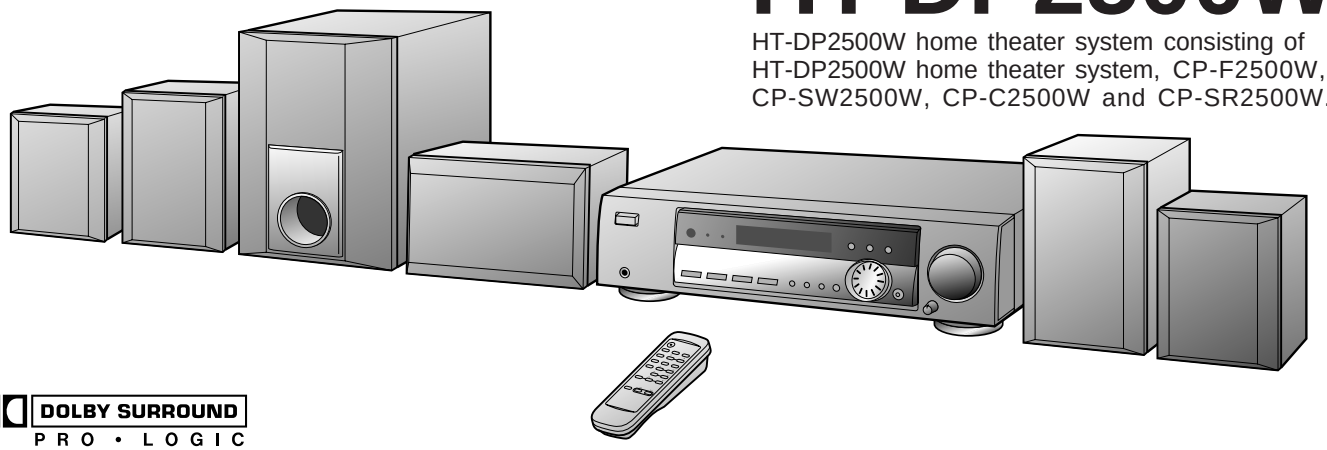
# SHARP SERVICE MANUAL

No. S0884HTDP2500

# HT-DP2500W

HT-DP2500W home theater system consisting of HT-DP2500W home theater system, CP-F2500W, CP-SW2500W, CP-C2500W and CP-SR2500W.



DOLBY SURROUND PRO • LOGIC

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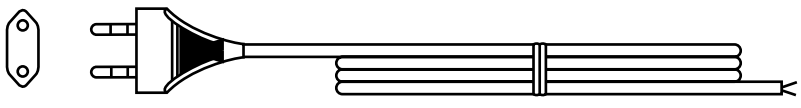
• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

## CONTENTS

Page
AC POWER SUPPLY CORD AND AC PLUG ADAPTOR ..... 1
VOLTAGE SELECTION ..... 2
SPECIFICATIONS ..... 2
NAMES OF PARTS ..... 3
OPERATION MANUAL ..... 4
DISASSEMBLY ..... 6
ADJUSTMENT ..... 8
NOTES ON SCHEMATIC DIAGRAM ..... 9
BLOCK DIAGRAM ..... 10
SCHEMATIC DIAGRAM/WIRING SIDE OF P.W.BOARD ..... 12
TYPES OF TRANSISTOR AND LED ..... 19
FUNCTION TABLE OF IC ..... 24
FL SEGMENT ..... 28
PARTS GUIDE/EXPLODED VIEW

## AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

**QACCE0008AW00**



**OPLGA0250AFZZ**

**QACCL0005AW00**

SHARP CORPORATION

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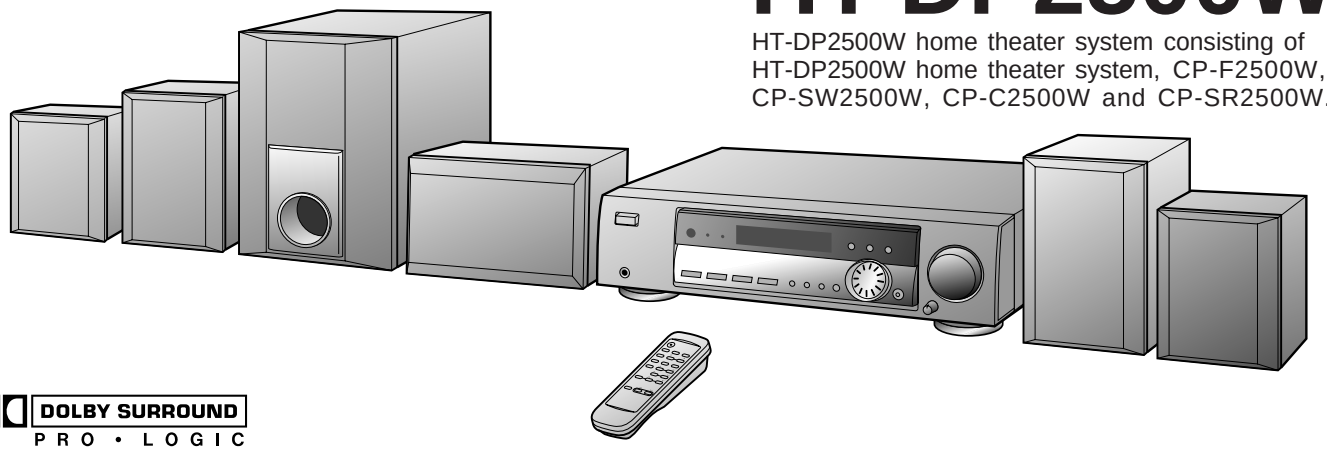
# SHARP SERVICE MANUAL

No. S0884HTDP2500

# HT-DP2500W

HT-DP2500W home theater system consisting of HT-DP2500W home theater system, CP-F2500W, CP-SW2500W, CP-C2500W and CP-SR2500W.



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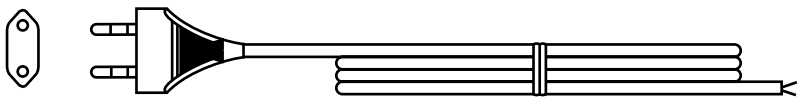
## AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

**QACCE0008AW00**



**OPLGA0250AFZZ**

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

# VOLTAGE SELECTION

The voltage selector is located on the AC voltage selector box. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction until the correct voltage figure is displayed in the window next to the adjustment screw.

# SPECIFICATIONS

## HT-DP2500W

### ● General

| | |
|---|---|
| **Type:** | Home theater system |
| **Power source:** | AC 110/127/220/230 - 240 V, 50/60 Hz |
| **Power consumption:** | 105 W |
| **Dimensions:** | Width; 430 mm (16-15/16")<br>Height; 116 mm (4-5/8")<br>Depth; 322 mm (12-11/16") |
| **Weight:** | 7.3 kg (16.1 lbs.) |
| **Output power:**<br>**(For Australia/ New Zealand)** | (Front)<br>RMS; 50 W (25 W + 25 W) (10% T.H.D.)<br>(Centre)<br>RMS; 25 W (10% T.H.D.)<br>(Surround)<br>RMS; 25 W (total) (10% T.H.D.)<br>(Sub woofer)<br>RMS; 25 W (10% T.H.D.) |
| **Output power:**<br>**(Except for Australia/ New Zealand)** | PMPO; 1,000 W<br>(Front)<br>RMS; 50 W (25 W + 25 W) (10% T.H.D.)<br>(Centre)<br>RMS; 25 W (10% T.H.D.)<br>(Surround)<br>RMS; 25 W (total) (10% T.H.D.)<br>(Sub woofer)<br>RMS; 25 W (10% T.H.D.) |
| **Output terminals:** | Front speakers; 8 ohms<br>Centre speaker; 8 ohms<br>Surround speakers; 16 ohms<br>Sub woofer; 8 ohms<br>Headphones; 16-50 ohms (recommended; 32 ohms) |
| **Input terminals:** | VCR-1, VCR-2, AUX (Audio signal); 500 mV/47 kohms |

### ● Tuner section

| | |
|---|---|
| **Frequency range:** | FM; 88-108 MHz<br>AM; 531-1,602 kHz |

## CP-F2500W

### ● Front speaker section

| | |
|---|---|
| **Type:** | 2-way, 10 cm (4") woofer, and 5 cm (2") tweeter |
| **Maximum input power:** | 50 W |
| **Rated input power:** | 25 W |
| **Impedance:** | 8 ohms |
| **Dimensions:** | Width; 150 mm (5-15/16")<br>Height; 200 mm (7-7/8")<br>Depth; 125 mm (4-15/16") |
| **Weight:** | 1.5 kg (3.3 lbs.)/each |

## CP-C2500W

### ● Centre speaker section

| | |
|---|---|
| **Type:** | 10 cm (4") full-range speaker |
| **Maximum input power:** | 50 W |
| **Rated input power:** | 25 W |
| **Impedance:** | 8 ohms |
| **Dimensions:** | Width; 200 mm (7-7/8")<br>Height; 150 mm (5-15/16")<br>Depth; 125 mm (4-15/16") |
| **Weight:** | 1.3 kg (2.9 lbs.) |

## CP-SR2500W

### ● Surround speaker section

| | |
|---|---|
| **Type:** | 10 cm (4") full-range speaker |
| **Maximum input power:** | 25 W |
| **Rated input power:** | 12.5 W |
| **Impedance:** | 16 ohms |
| **Dimensions:** | Width; 150 mm (5-15/16")<br>Height; 170 mm (6-3/4")<br>Depth; 105 mm (4-3/16") |
| **Weight:** | 1.0 kg (2.2 lbs.)/each |

## CP-SW2500W

### ● Sub woofer section

| | |
|---|---|
| **Type:** | 13 cm (5-1/8") woofer |
| **Maximum input power:** | 50 W |
| **Rated input power:** | 25 W |
| **Impedance:** | 8 ohms |
| **Dimensions:** | Width; 210 mm (8-5/16")<br>Height; 310 mm (12-1/4")<br>Depth; 310 mm (12-3/16") |
| **Weight:** | 4.2 kg (9.3 lbs.) |

Specifications for this model are subject to change without prior notice.

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

# VOLTAGE SELECTION

The voltage selector is located on the AC voltage selector box. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction until the correct voltage figure is displayed in the window next to the adjustment screw.

# SPECIFICATIONS

## HT-DP2500W

### ● General

| | |
|---|---|
| **Type:** | Home theater system |
| **Power source:** | AC 110/127/220/230 - 240 V, 50/60 Hz |
| **Power consumption:** | 105 W |
| **Dimensions:** | Width; 430 mm (16-15/16")<br>Height; 116 mm (4-5/8")<br>Depth; 322 mm (12-11/16") |
| **Weight:** | 7.3 kg (16.1 lbs.) |
| **Output power:**<br>**(For Australia/ New Zealand)** | (Front)<br>RMS; 50 W (25 W + 25 W) (10% T.H.D.)<br>(Centre)<br>RMS; 25 W (10% T.H.D.)<br>(Surround)<br>RMS; 25 W (total) (10% T.H.D.)<br>(Sub woofer)<br>RMS; 25 W (10% T.H.D.) |
| **Output power:**<br>**(Except for Australia/ New Zealand)** | PMPO; 1,000 W<br>(Front)<br>RMS; 50 W (25 W + 25 W) (10% T.H.D.)<br>(Centre)<br>RMS; 25 W (10% T.H.D.)<br>(Surround)<br>RMS; 25 W (total) (10% T.H.D.)<br>(Sub woofer)<br>RMS; 25 W (10% T.H.D.) |
| **Output terminals:** | Front speakers; 8 ohms<br>Centre speaker; 8 ohms<br>Surround speakers; 16 ohms<br>Sub woofer; 8 ohms<br>Headphones; 16-50 ohms (recommended; 32 ohms) |
| **Input terminals:** | VCR-1, VCR-2, AUX (Audio signal); 500 mV/47 kohms |

### ● Tuner section

| | |
|---|---|
| **Frequency range:** | FM; 88-108 MHz<br>AM; 531-1,602 kHz |

## CP-F2500W

### ● Front speaker section

| | |
|---|---|
| **Type:** | 2-way, 10 cm (4") woofer, and 5 cm (2") tweeter |
| **Maximum input power:** | 50 W |
| **Rated input power:** | 25 W |
| **Impedance:** | 8 ohms |
| **Dimensions:** | Width; 150 mm (5-15/16")<br>Height; 200 mm (7-7/8")<br>Depth; 125 mm (4-15/16") |
| **Weight:** | 1.5 kg (3.3 lbs.)/each |

## CP-C2500W

### ● Centre speaker section

| | |
|---|---|
| **Type:** | 10 cm (4") full-range speaker |
| **Maximum input power:** | 50 W |
| **Rated input power:** | 25 W |
| **Impedance:** | 8 ohms |
| **Dimensions:** | Width; 200 mm (7-7/8")<br>Height; 150 mm (5-15/16")<br>Depth; 125 mm (4-15/16") |
| **Weight:** | 1.3 kg (2.9 lbs.) |

## CP-SR2500W

### ● Surround speaker section

| | |
|---|---|
| **Type:** | 10 cm (4") full-range speaker |
| **Maximum input power:** | 25 W |
| **Rated input power:** | 12.5 W |
| **Impedance:** | 16 ohms |
| **Dimensions:** | Width; 150 mm (5-15/16")<br>Height; 170 mm (6-3/4")<br>Depth; 105 mm (4-3/16") |
| **Weight:** | 1.0 kg (2.2 lbs.)/each |

## CP-SW2500W

### ● Sub woofer section

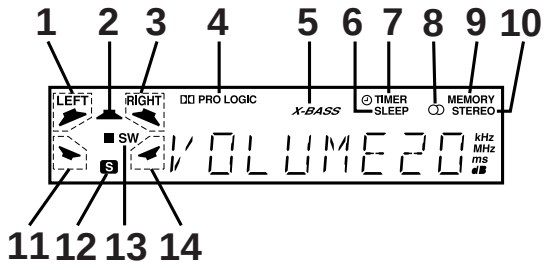
| | |
|---|---|
| **Type:** | 13 cm (5-1/8") woofer |
| **Maximum input power:** | 50 W |
| **Rated input power:** | 25 W |
| **Impedance:** | 8 ohms |
| **Dimensions:** | Width; 210 mm (8-5/16")<br>Height; 310 mm (12-1/4")<br>Depth; 310 mm (12-3/16") |
| **Weight:** | 4.2 kg (9.3 lbs.) |

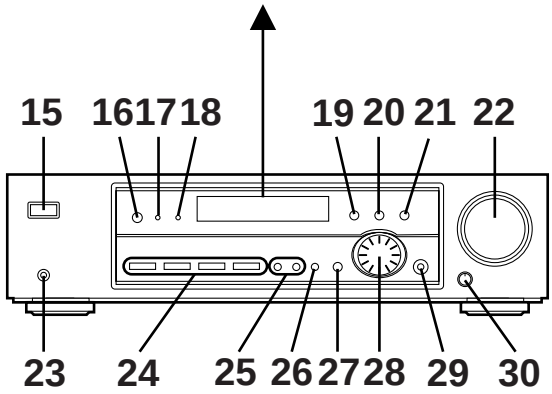
Specifications for this model are subject to change without prior notice.

# NAMES OF PARTS

**HT-DP2500W**

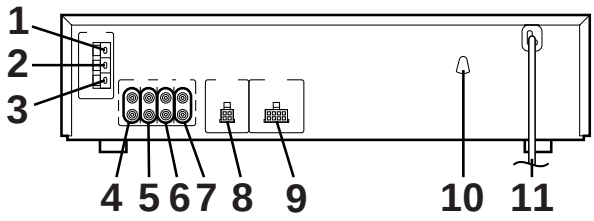
## ■ Front panel



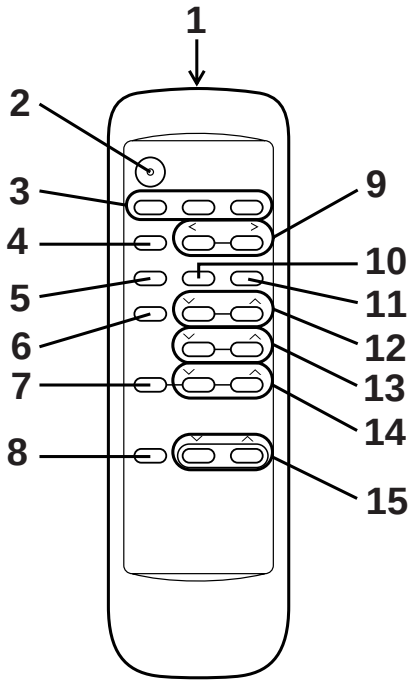

1. Left Front Speaker Indicator
2. Centre Speaker Indicator
3. Right Front Speaker Indicator
4. Dolby Pro Logic Indicator
5. Extra Bass Indicator
6. Sleep Indicator
7. Timer Play Indicator
8. (TUNER) FM Stereo Indicator
9. (TUNER) Memory Indicator
10. (TUNER) FM Stereo Mode Indicator
11. Left Surround Speaker Indicator
12. Surround Signal Indicator
13. Sub Woofer Indicator
14. Right Surround Speaker Indicator
15. On/Stand-by Button
16. Remote Control Sensor
17. Stand-by Indicator
18. Timer Indicator
19. Dolby Pro Logic Button
20. Equalizer Selector Button
21. Extra Bass Button
22. Volume Control
23. Headphone Socket
24. Function Selector Buttons
25. (TUNER) Tuning Up/Down Buttons
26. Memory Button
27. Timer/Sleep Selector Button
28. Jog Dial
29. Enter Button
30. Sub Woofer Volume Control

## ■ Rear panel




1. AM Aerial Terminal
2. Aerial Earth Terminal
3. FM 75 Ohms Aerial Terminal
4. VCR-1 Output Sockets
5. VCR-1 Input Sockets
6. VCR-2 Input Sockets
7. AUX Input Sockets
8. Surround Speaker Sockets
9. Front/Centre/Sub Woofer Sockets
10. AC Voltage Selector
11. AC Power Lead

## ■ Remote control

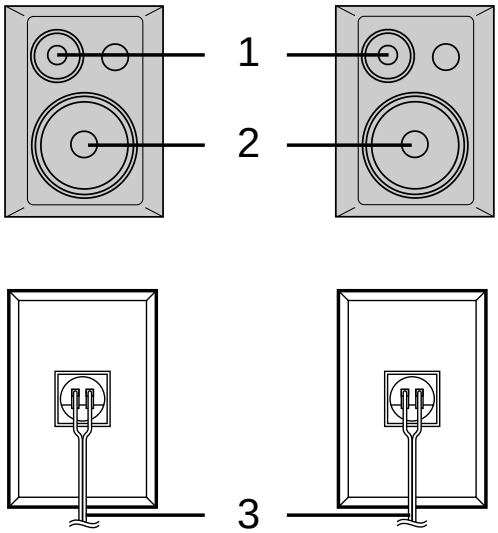



1. Remote Control Transmiter LED
2. On/Stand-by Button
3. Function Selector Buttons
4. Preset Balance Button
5. Dolby Pro Logic Button
6. Test Tone Button
7. Tuner Call Button
8. Mute Button
9. Balance Selector Buttons
10. Equalizer Selector Button
11. Extra Bass Button
12. Centre Level Buttons
13. Surround Level Buttons
14. (TUNER) Preset Up/Down Buttons
15. Volume Control Buttons

## HT-DP2500W

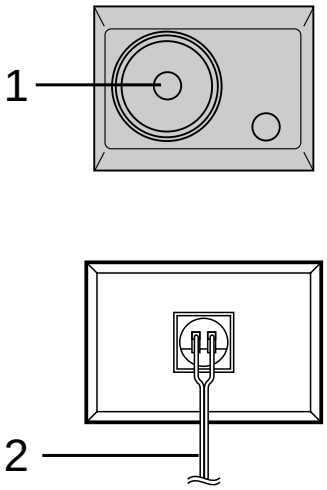
**CP-F2500W**

■ **Front Speaker**
1. Tweeter
2. Woofer
3. Speaker Cord



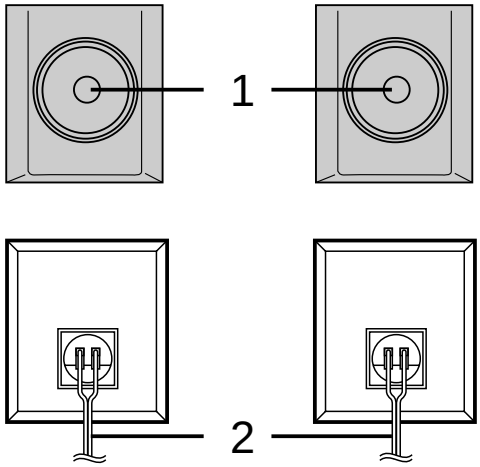

**CP-C2500W**

■ **Center Speaker**
1. Woofer
2. Speaker Cord



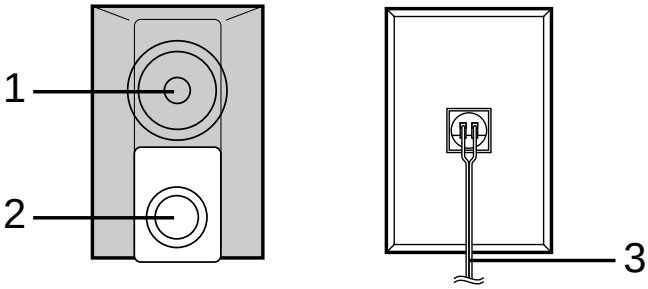

**CP-SR2500W**

■ **Surround Speaker**
1. Woofer
2. Speaker Cord



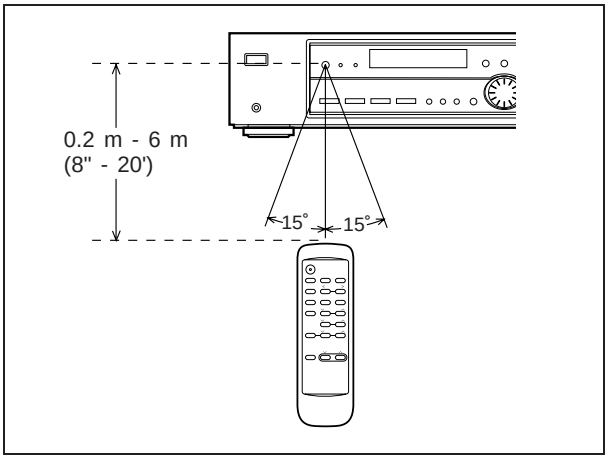

**CP-SW2500W**

■ **Sub woofer**
1. Woofer
2. Bass Reflex Duct
3. Speaker Cord




# OPERATION MANUAL

## PREPARATION FOR USE




### ■ Remote control

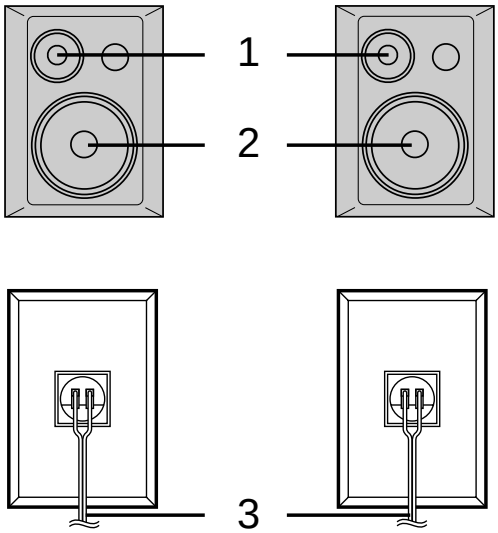
**Notes concerning use:**

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic.
- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.

## HT-DP2500W

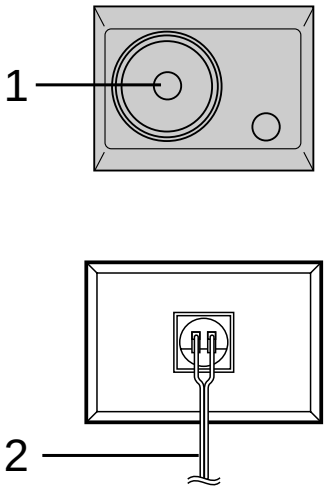
**CP-F2500W**

■ **Front Speaker**
1. Tweeter
2. Woofer
3. Speaker Cord



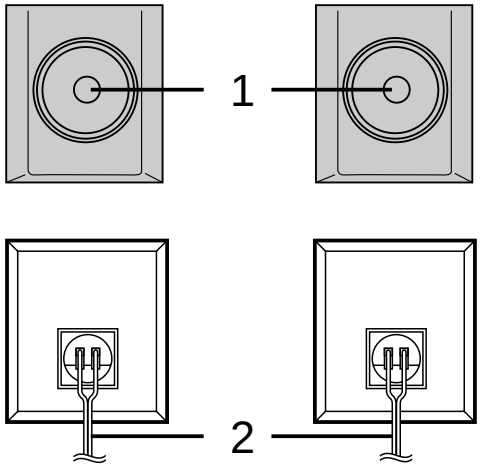

**CP-C2500W**

■ **Center Speaker**
1. Woofer
2. Speaker Cord



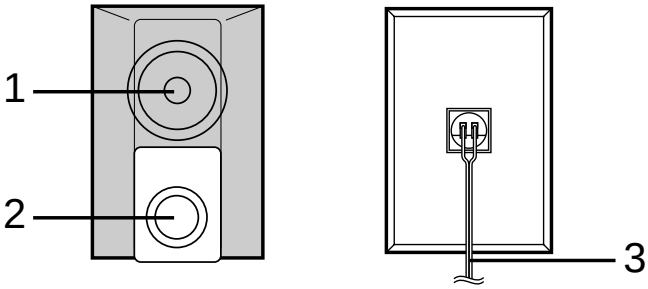

**CP-SR2500W**

■ **Surround Speaker**
1. Woofer
2. Speaker Cord



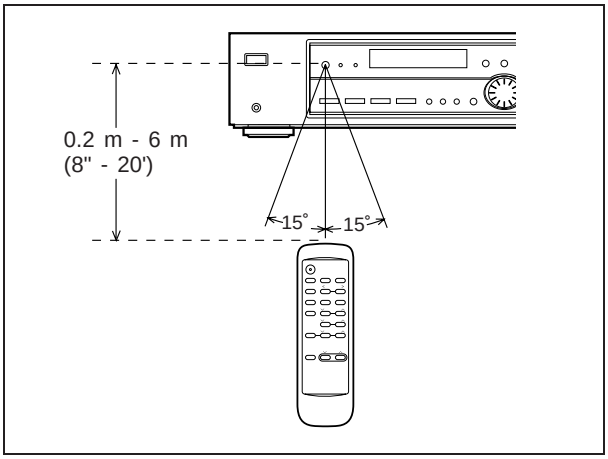

**CP-SW2500W**

■ **Sub woofer**
1. Woofer
2. Bass Reflex Duct
3. Speaker Cord




# OPERATION MANUAL

## PREPARATION FOR USE




### ■ Remote control

**Notes concerning use:**

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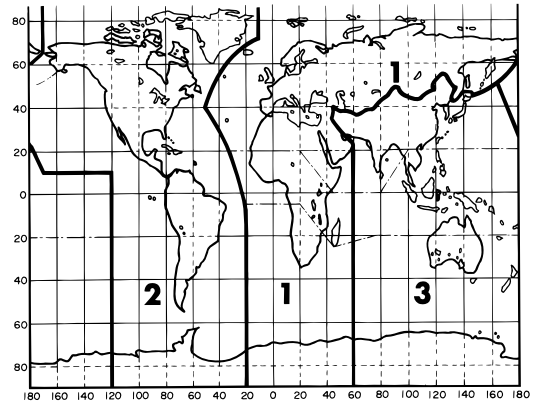
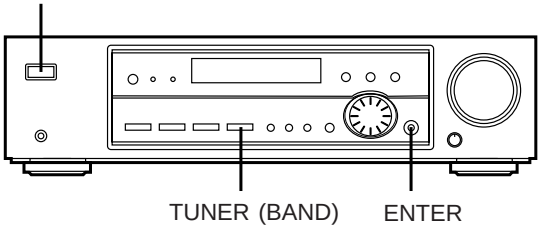
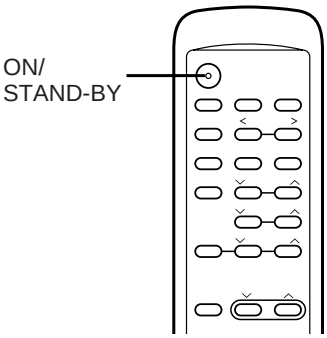
## (Continued)

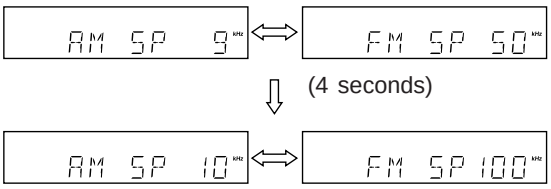



ON/STAND-BY

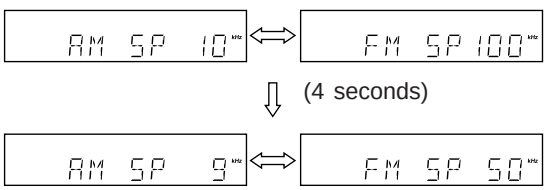



**[9 kHz → 10 kHz]**




**[10 kHz → 9 kHz]**




## ■ AM/FM Interval (span)

The International Telecommunication Union (ITU) has established that member countries should maintain either a 10 kHz or a 9 kHz interval between broadcasting frequencies of any AM station. The illustration shows the 9 kHz interval zones (regions 1 and 3), and the 10 kHz interval zone (region 2).

This product is not equipped with a span selector. However, it will be adjusted to 9 kHz AM interval (50 kHz FM interval) when shipped from the factory.
Before using the unit, be sure to set it for the AM tuning interval (span) used in your area.

**To check the tuning span currently selected:**

**1** Set the ON/STAND-BY button on the main unit to ON.

**2** Press the TUNER (BAND) button until "FM" or "AM" appears in the display.

**3** Press the TUNER (BAND) button to select the AM band.

- If "AM 531 kHz" is displayed, it means that the radio has been adjusted for a 9 kHz span. If "AM 530 kHz" is displayed, it means that the radio has been adjusted for a 10 kHz span.

**To change from a 9 kHz AM (50 kHz FM) interval to a 10 kHz AM (100 kHz FM) interval:**

**1** Press the ON/STAND-BY button on the remote control to enter the stand-by mode.

**2** Hold down the TUNER (BAND) button and the ENTER button for at least 4 seconds. Release the buttons when "AM SP 10 kHz" and "FM SP 100 kHz" are displayed alternately.

**To return to a 9 kHz AM (50 kHz FM) interval:**

**1** Press the ON/STAND-BY button on the remote control to enter the stand-by mode.

**2** Hold down the TUNER (BAND) button and the ENTER button for at least 4 seconds. Release the buttons when "AM SP 9 kHz" and "FM SP 50 kHz" are displayed alternately.

**Caution:**

- When the unit is left for a few hours after the span has been switched and AC power lead disconnected, it will be automatically returned to a 9 kHz span. If this happens, set the span again.
- When the span is switched, any stations that are memorised will be cancelled.

# DISASSEMBLY

**Caution on Disassembly**
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
2. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
3. Take suff cient care on static electricity of integrated circuits and other circuits when servicing.

**HT-DP2500W**

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Top Cabinet | 1. Screw ..... (A1) x5 | 6-1 |
| 2 | Rear Panel | 1. Screw ..... (B1) x11 | 6-1 |
| 3 | Front Panel | 1. Screw ..... (C1) x5<br>2. Flat Cable ..... (C2) x1<br>3. Socket ..... (C3) x3 | 6-2 |
| 4 | Main PWB/<br>Tuner PWB | 1. Screw ..... (D1) x7<br>2. Socket ..... (D2) x3 | 6-2 |
| 5 | Power Supply PWB<br>(With Voltage Selector Switch PWB) | 1. Screw ..... (E1) x5<br>2. Socket ..... (E2) x3 | 6-2 |
| 6 | Display PWB | 1. Knob ..... (F1) x1<br>2. Nut ..... (F2) x1<br>3. Screw ..... (F3) x10<br>4. Socket ..... (F4) x1<br>5. Knob ..... (F5) x1 | 6-3 |
| 7 | Switch PWB | 1. Screw ..... (G1) x2 | 6-3 |
| 8 | Headphones PWB | 1. Screw ..... (H1) x1 | 6-3 |

**CP-F2500W**

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Speaker | 1. Net ..... (A1) x1<br>2. Screw ..... (A2) x6 | 7-1 |

**CP-SW2500W**

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Speaker | 1. Net ..... (A1) x1<br>2. Screw ..... (A2) x4 | 7-2 |

**CP-C2500W**

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Speaker | 1. Net ..... (A1) x1<br>2. Screw ..... (A2) x4 | 7-3 |

**CP-SR2500W**

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Speaker | 1. Net ..... (A1) x1<br>2. Screw ..... (A2) x4 | 7-4 |

**HT-DP2500W**

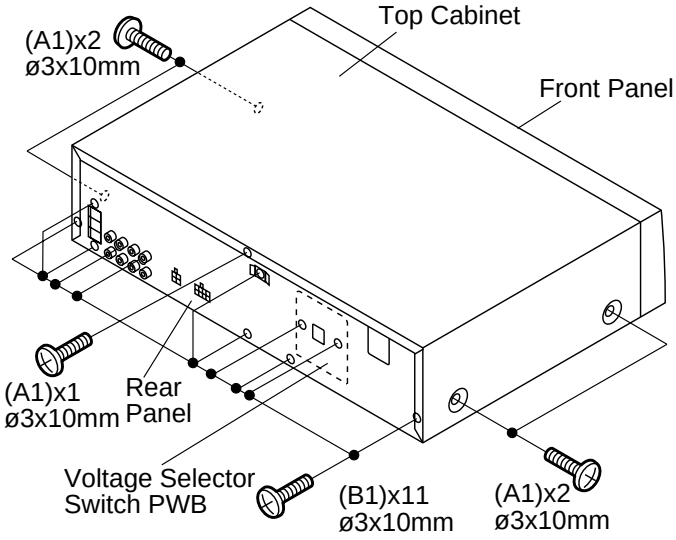



**Figure 6-1**

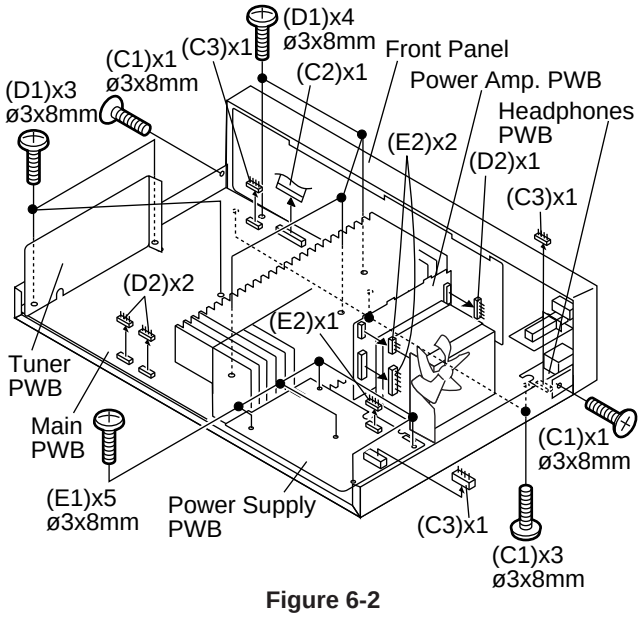



**Figure 6-2**

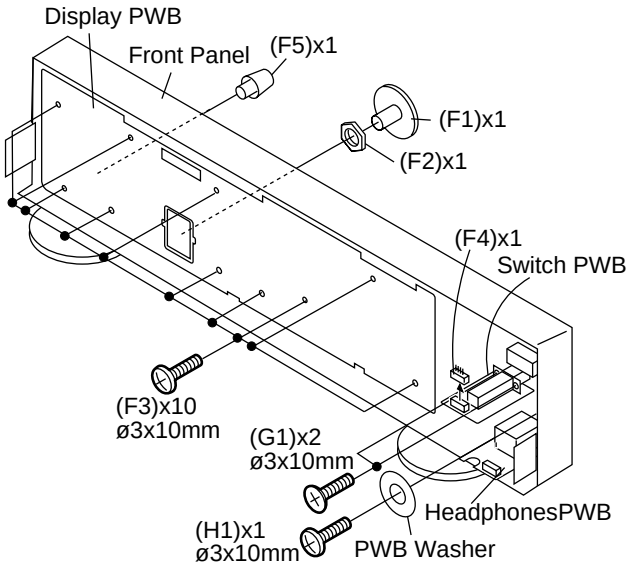



**Figure 6-3**

**CP-F2500W**

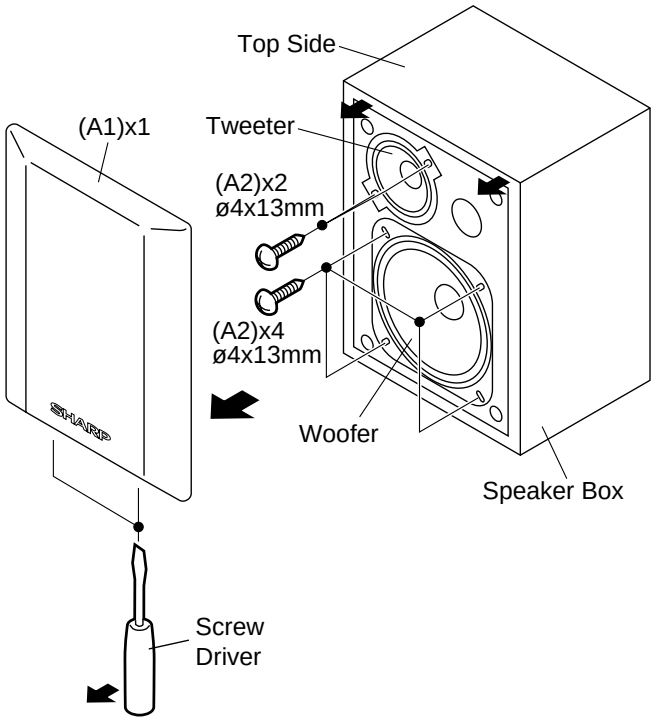



**Figure 7-1**

**CP-C2500W**

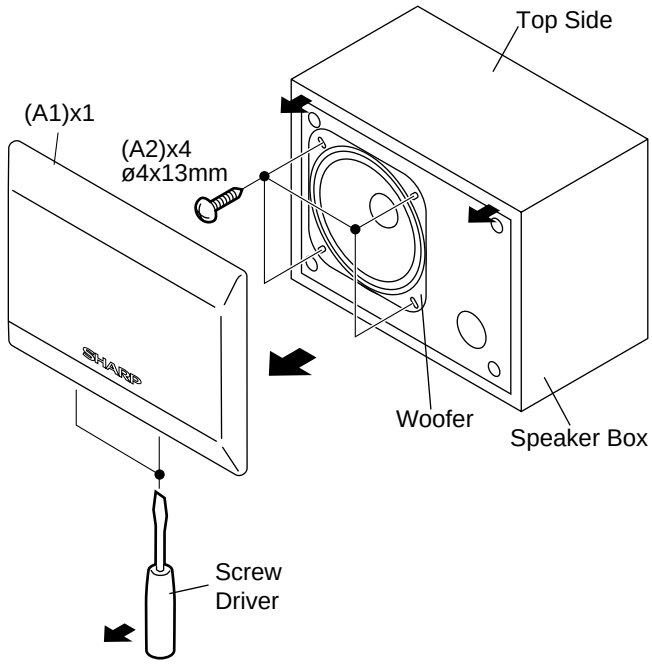



**Figure 7-3**

**CP-SW2500W**

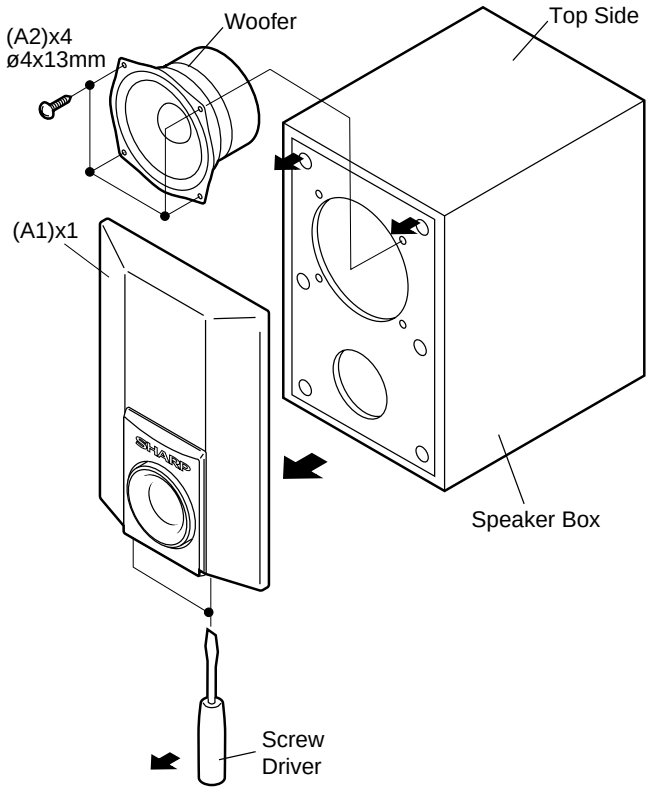



**Figure 7-2**

**CP-SR2500W**

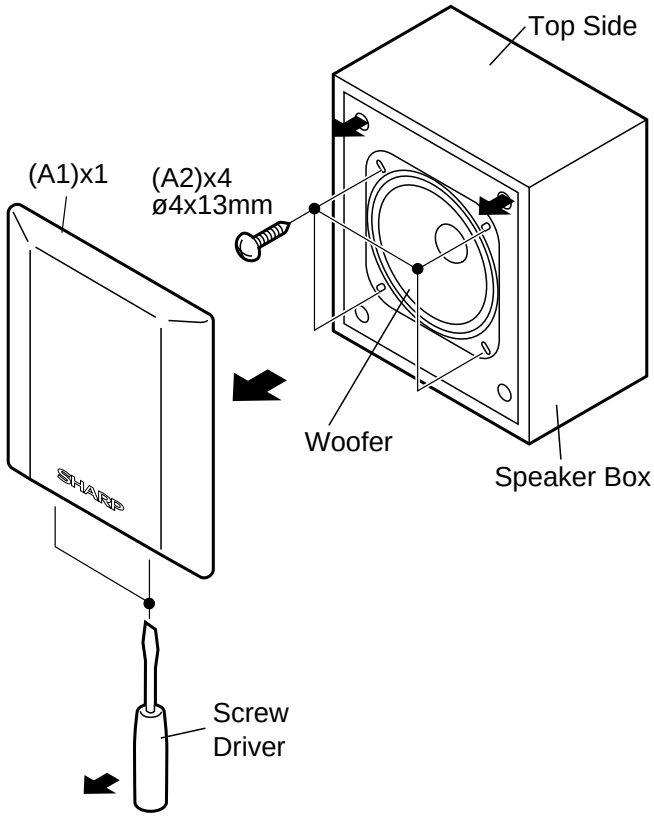



**Figure 7-4**

# ADJUSTMENT

## TUNER SECTION

fL: Low-range frequency
fH: High-renge frequency

**• FM RF**

Signal generator: 1 kHz, 75 kHz dev., FM modulated

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| Band Coverage | — | 87.50 kHz | (fL): L202 3.4 ± 0.1 V | *1 |
| RF | 98 MHz (10 - 30 dB) | 98.00 MHz | L201 | *2 |

*1. Input: Antenna, Output: TP302
*2. Input: Anetnna, Output: Speaker Terminal

**• AM IF/RF**

Signal generator: 400 Hz, 30%, AM modulated

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| IF | 450 kHz | 1,602 kHz | T204 | *1 |
| Band | — | 531 kHz | (fL): T203 (AM Band Coverage 0.8V±0.1v | *2 |
| Tracking | 990 kHz | 990 kHz | T201 | *1 |

*1. Input: Antenna, Output: TP301
*2. Input: Input is not connected, Output: TP302

**• FM Detection**

Signal generator: 10.7 MHz, FM sweep

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| IF | 10.7 MHz | 98.00 MHz | T202 (Turn the core of T202 fully counter-clockwise) | Input: Pin 1 of IC201 Output: Pin 1of IC203 |

**• FM Mute Level**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

| Frequency | Frequency Display | Adjusting Parts | Instrument Connection |
|---|---|---|---|
| 98.0 MHz (25 dBμV) | 98.00 MHz | VR201 *1 | Input: SOC201 Output: Speaker Terminal |

*1. Adjust so that an output signal appears.

**• Setting the Test Mode**

Keeping the ENTER button and MEMORY button pressed, turn on POWER (of Main Set). Then, the frequency is initially set in the memory as shown in Table. Call it with the JOG to use it for adjustment and check of tuner circuit.

| Preset No. | FM | Preset No. | AM |
|---|---|---|---|
| 1 | 87.50 MHz | 6 | 531 kHz |
| 2 | 108.00 MHz | 7 | 1,602 kHz |
| 3 | 98.00 MHz | 8 | 990 kHz |
| 4 | 90.00 MHz | 9 | 603 kHz |
| 5 | 106.00 MHz | 10 | 1,404 kHz |
| 11~40 | ———— | | |

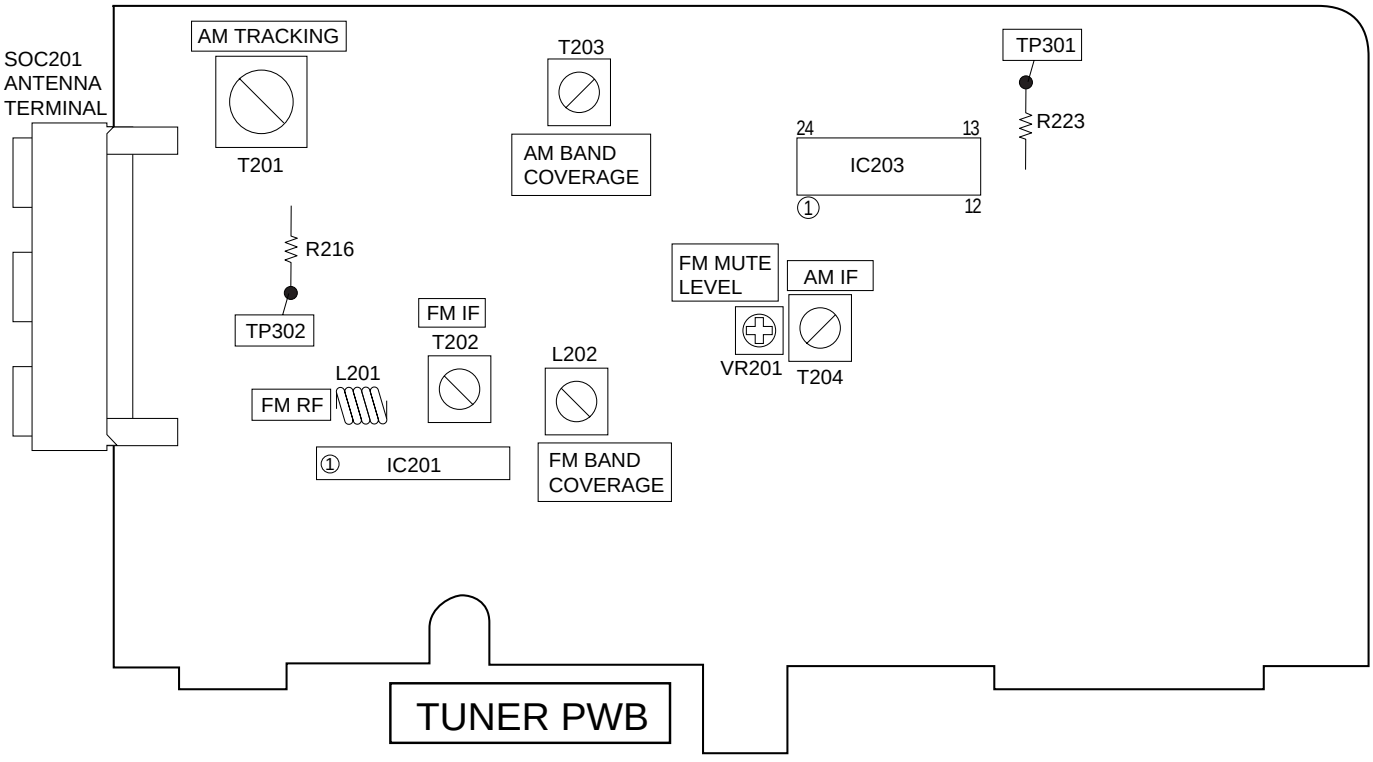



**Figure 8 ADJUSTMENT POINTS**

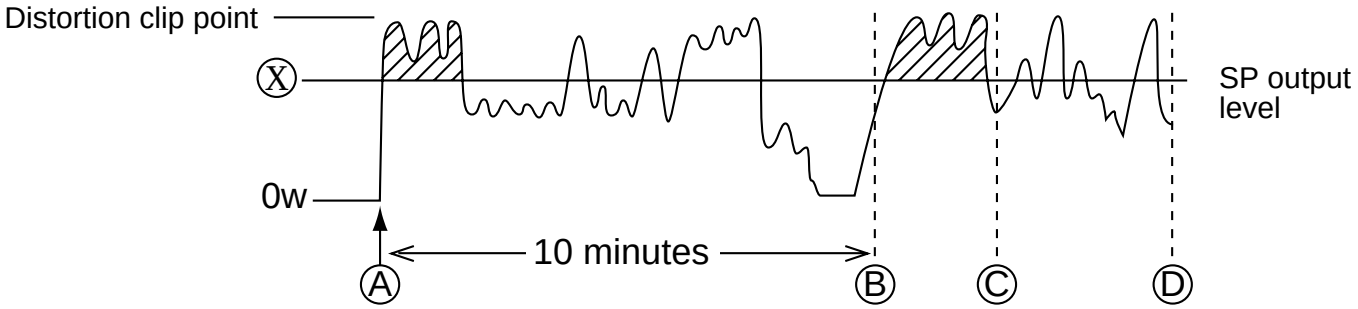
## EXPLANATION OF AUTOMATIC SOUND VALUE CORRECTION CONTROL

1. Outline

The recent trend is toward rise of CD record level in the world, for example rock, dancing music, etc. In case of continuous high level playback G-EQ (graphic equalizer) and VOL (Volume) are controlled (lowered) automatically after a lapse of specific time (10 minutes) so as to get the easy-to-listen sound level.

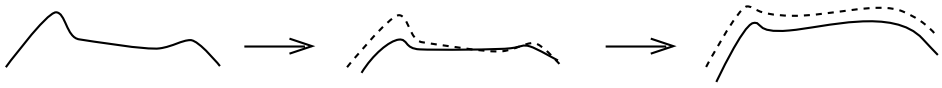
2. Explanation of operation

The CD playback operation is explained below.




Ⓧ : Threshold value of control circuit operation
Ⓐ : Hight energy (hatched area) exceeding Ⓧ is detecated, and the control mode is set.
Ⓑ : After a lapse of 10 minutes the control is started.

Ⓑ ~ Ⓒ : Data is fetched every 4 seconds to control.



Initial frequency characteristics. → Hand L frequency characteristics are lowered. → VOL (Volume) is lowered.

If hight energy exceeding Ⓧ is detected, VOL is lowered to get sound easy to listen.

Ⓒ ~ Ⓓ : Stable control
Continued control

The output data is fetched every 4 seconds to control. When quiet music is played back, the control is performed so as to restore the initial frequency characteristics and initial VOL values.

Control mode cancel conditions
- When output exceeding Ⓧ is not given continuously for 10 minutes.
  - When quiet music is played back.
  - When VOL is lowered.
- When the power is turned off or on.

## NOTES ON SCHEMATIC DIAGRAM

• Resistor:
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.

• Capacitor:
To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
(CH), (TH), (RH), (UJ): Temperature compensation
(ML): Mylar type
(P.P.): Polypropylene type

| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW1 | ON STAND-BY | ON—OFF |
| SW2 | TIMER/SLEEP | ON—OFF |
| SW3 | DOLBY PRO LOGIC | ON—OFF |
| SW4 | EQUALIZER | ON—OFF |
| SW5 | X-BASS | ON—OFF |
| SW6 | ENTER | ON—OFF |
| SW7 | VOLUME DOWN | ON—OFF |
| SW8 | VOLUME UP | ON—OFF |
| SW9 | MEMORY/SET | ON—OFF |

• Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

• The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
1. In the tuner section,
( ) indicates AM
< > indicates FM stereo
2. In the main section, VCR1.
3. In the power section, VCR1.

• Parts marked with “ ⚠ ” ( ⊏ ⊐ ⊐ ⊐ ⊐ ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW10 | TUNING UP | ON—OFF |
| SW11 | TUNING DOWN | ON—OFF |
| SW12 | TUNER(BAND) | ON—OFF |
| SW13 | CD/AUX | ON—OFF |
| SW14 | VCR-2 | ON—OFF |
| SW15 | VCR-1 | ON—OFF |
| SW23 | JOG DIAL | ON—OFF |
| SW601 | VOLTAGE SELECTOR | 110V |

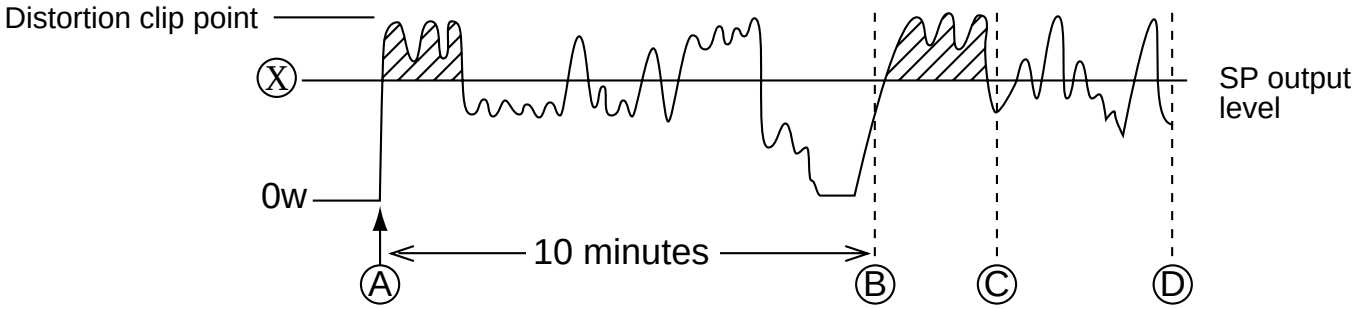
## EXPLANATION OF AUTOMATIC SOUND VALUE CORRECTION CONTROL

1. Outline

The recent trend is toward rise of CD record level in the world, for example rock, dancing music, etc. In case of continuous high level playback G-EQ (graphic equalizer) and VOL (Volume) are controlled (lowered) automatically after a lapse of specific time (10 minutes) so as to get the easy-to-listen sound level.

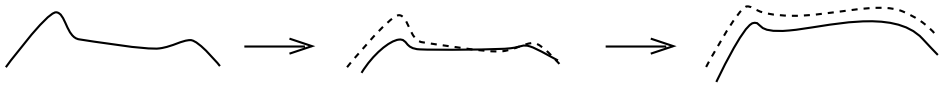
2. Explanation of operation

The CD playback operation is explained below.




Ⓧ : Threshold value of control circuit operation
Ⓐ : Hight energy (hatched area) exceeding Ⓧ is detecated, and the control mode is set.
Ⓑ : After a lapse of 10 minutes the control is started.

Ⓑ ~ Ⓒ : Data is fetched every 4 seconds to control.



Initial frequency characteristics. → Hand L frequency characteristics are lowered. → VOL (Volume) is lowered.

If hight energy exceeding Ⓧ is detected, VOL is lowered to get sound easy to listen.

Ⓒ ~ Ⓓ : Stable control
Continued control

The output data is fetched every 4 seconds to control. When quiet music is played back, the control is performed so as to restore the initial frequency characteristics and initial VOL values.

Control mode cancel conditions
- When output exceeding Ⓧ is not given continuously for 10 minutes.
  - When quiet music is played back.
  - When VOL is lowered.
- When the power is turned off or on.

## NOTES ON SCHEMATIC DIAGRAM

• Resistor:
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.

• Capacitor:
To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
(CH), (TH), (RH), (UJ): Temperature compensation
(ML): Mylar type
(P.P.): Polypropylene type

| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW1 | ON STAND-BY | ON—OFF |
| SW2 | TIMER/SLEEP | ON—OFF |
| SW3 | DOLBY PRO LOGIC | ON—OFF |
| SW4 | EQUALIZER | ON—OFF |
| SW5 | X-BASS | ON—OFF |
| SW6 | ENTER | ON—OFF |
| SW7 | VOLUME DOWN | ON—OFF |
| SW8 | VOLUME UP | ON—OFF |
| SW9 | MEMORY/SET | ON—OFF |

• Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

• The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
1. In the tuner section,
( ) indicates AM
< > indicates FM stereo
2. In the main section, VCR1.
3. In the power section, VCR1.

• Parts marked with “ ⚠ ” ( ⊏ ⊐ ⊐ ⊐ ⊐ ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW10 | TUNING UP | ON—OFF |
| SW11 | TUNING DOWN | ON—OFF |
| SW12 | TUNER(BAND) | ON—OFF |
| SW13 | CD/AUX | ON—OFF |
| SW14 | VCR-2 | ON—OFF |
| SW15 | VCR-1 | ON—OFF |
| SW23 | JOG DIAL | ON—OFF |
| SW601 | VOLTAGE SELECTOR | 110V |

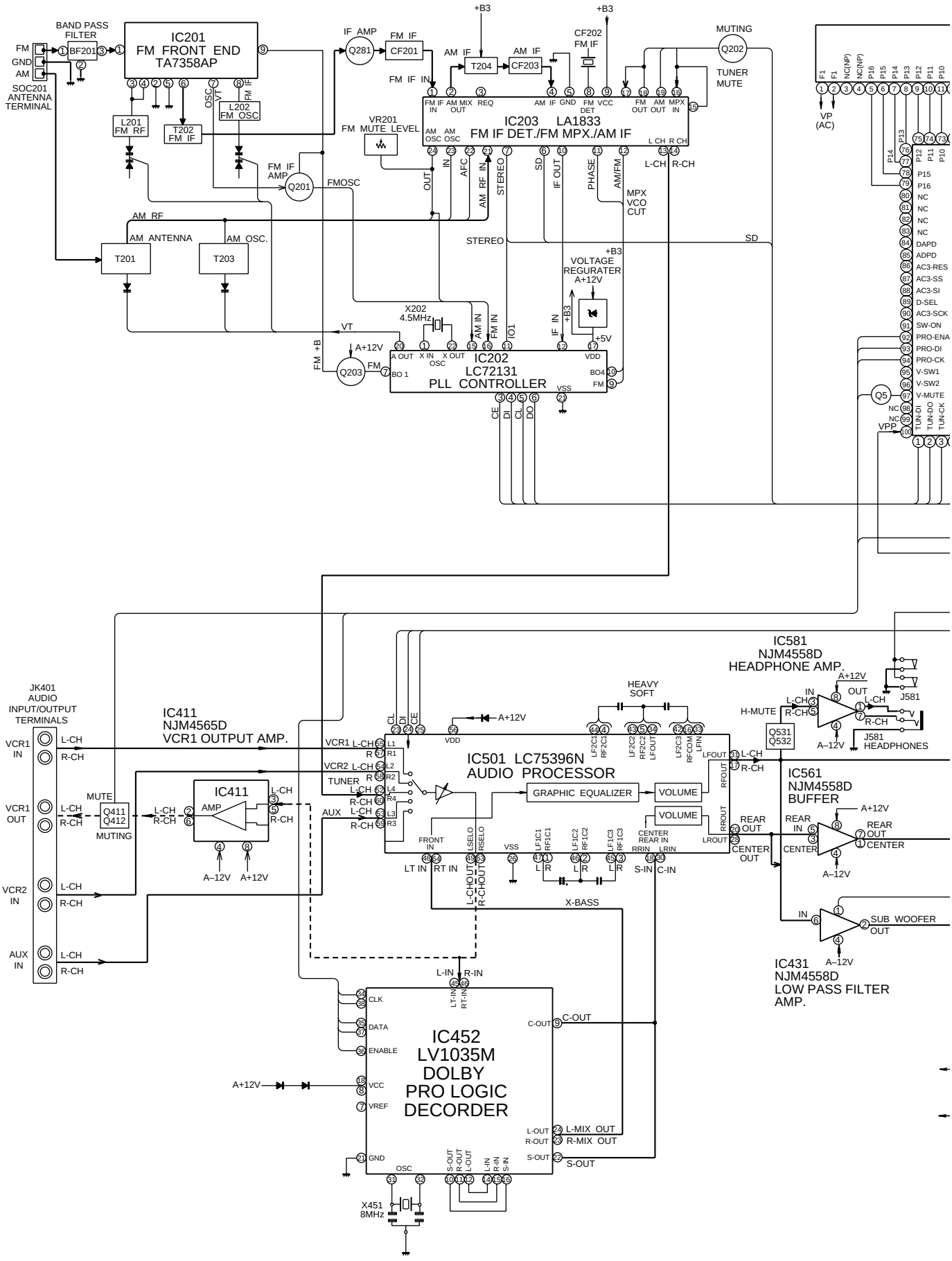



**Figure 10 BLOCK DIAGRAM (1/2)**

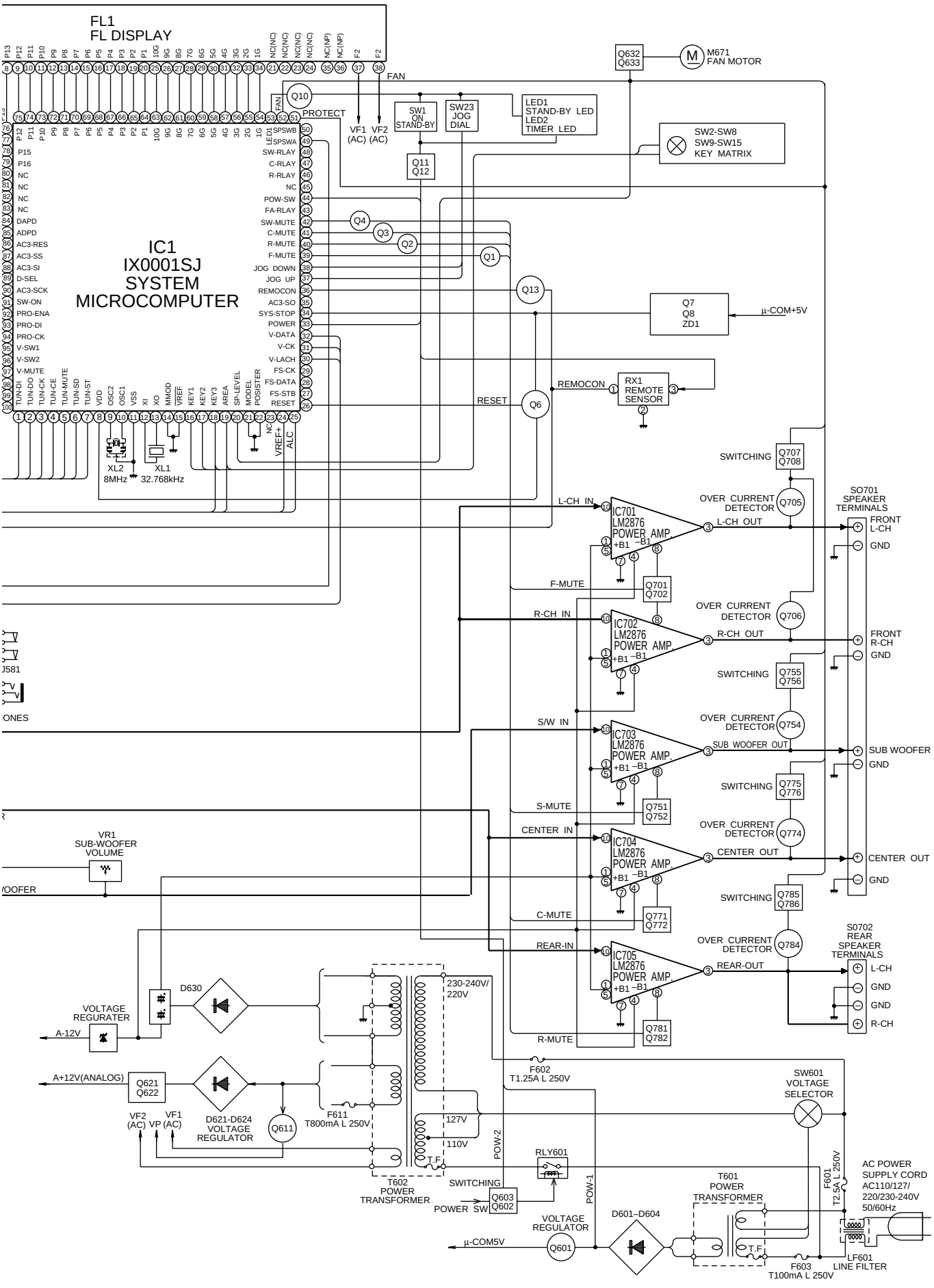
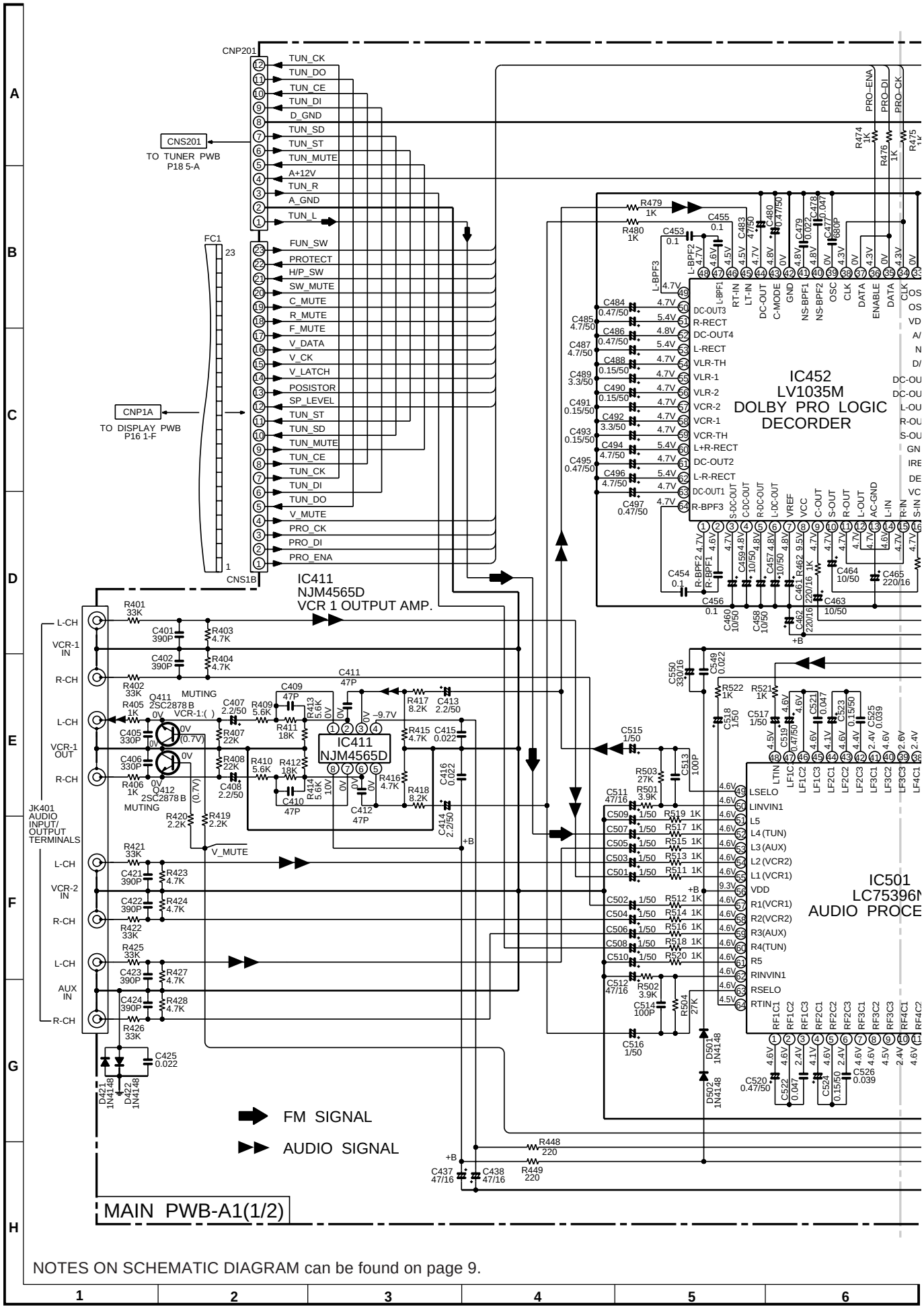
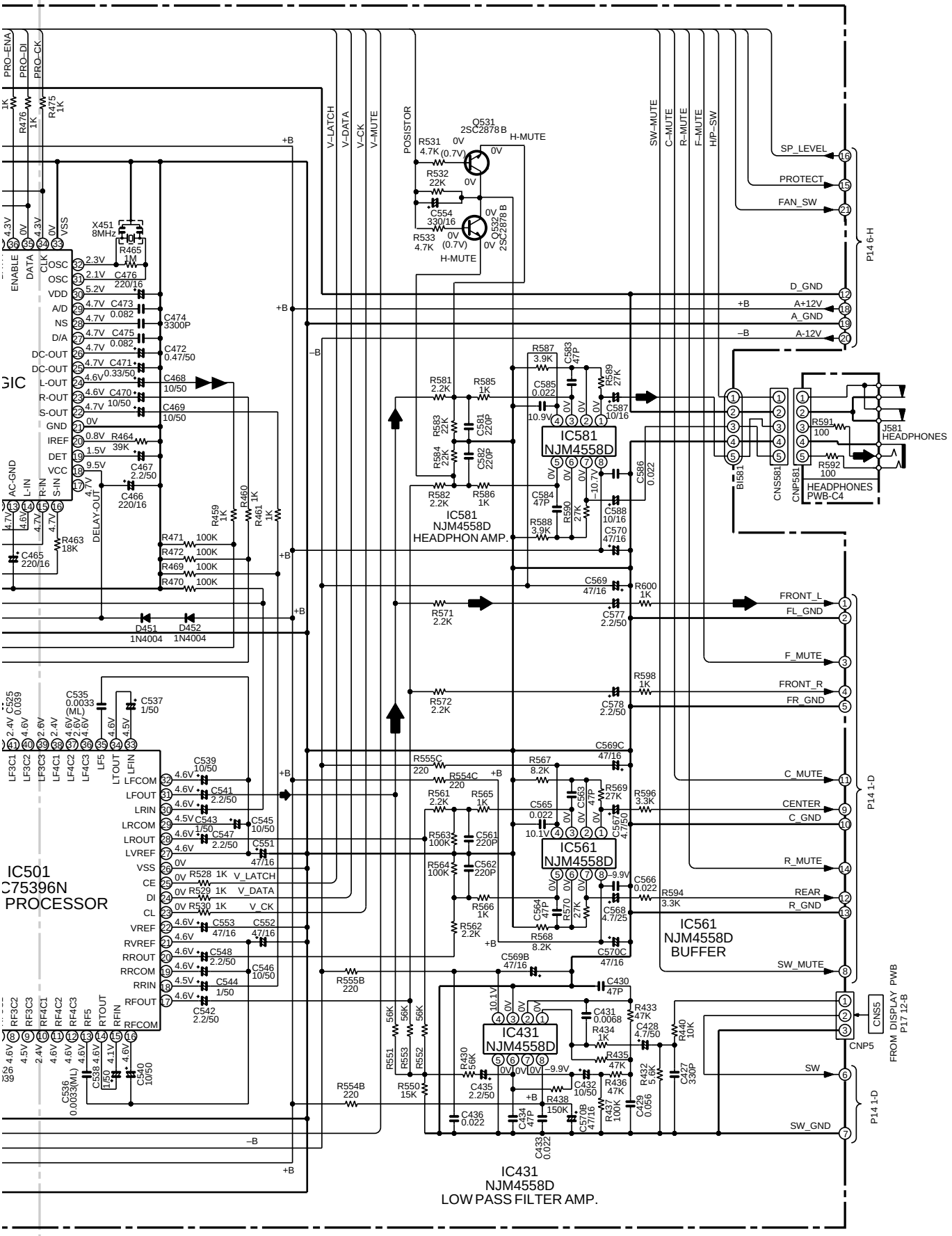



**Figure 11 BLOCK DIAGRAM (2/2)**



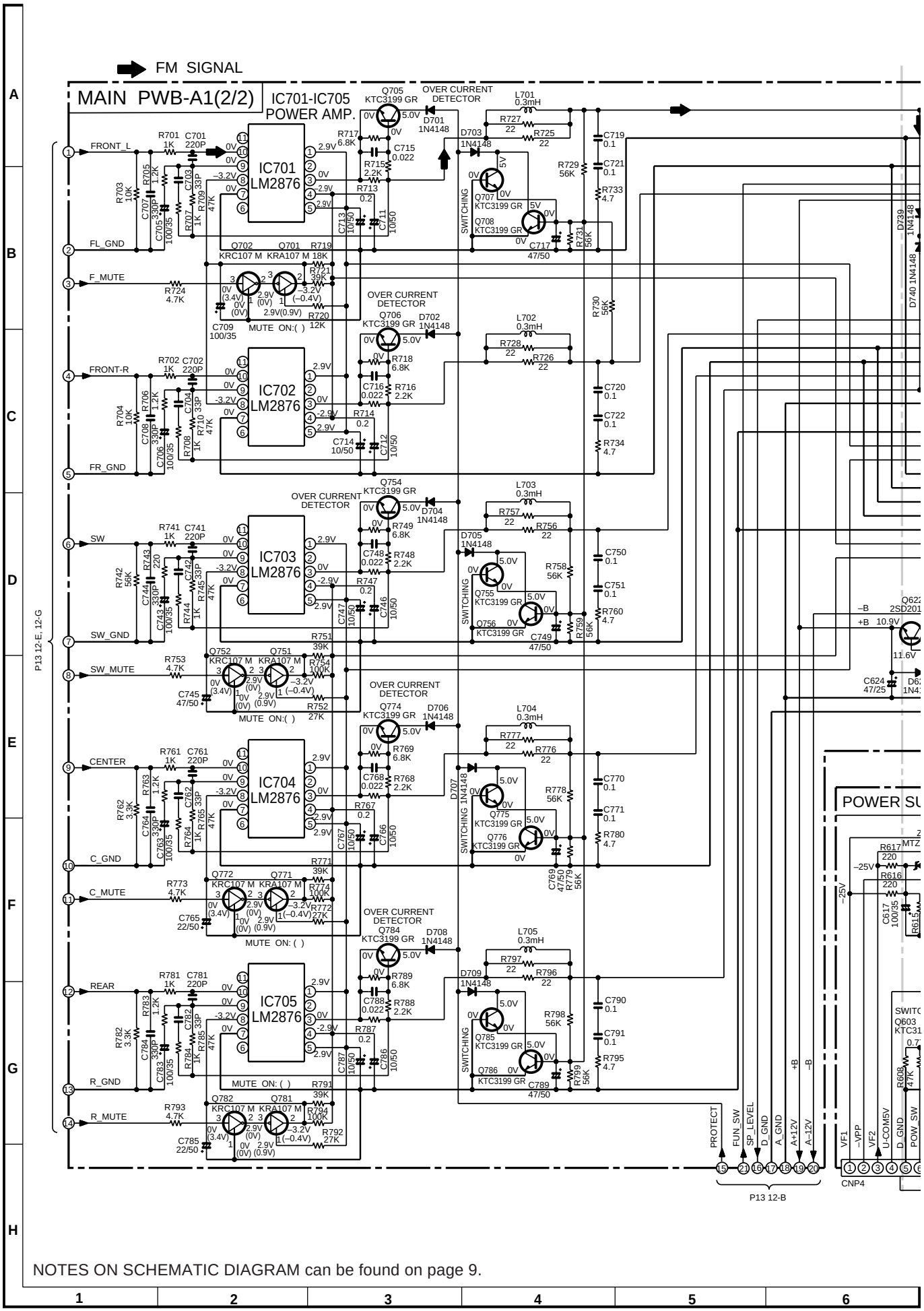

NOTES ON SCHEMATIC DIAGRAM can be found on page 9.

**Figure 12 SCHEMATIC DIAGRAM (1/7)**



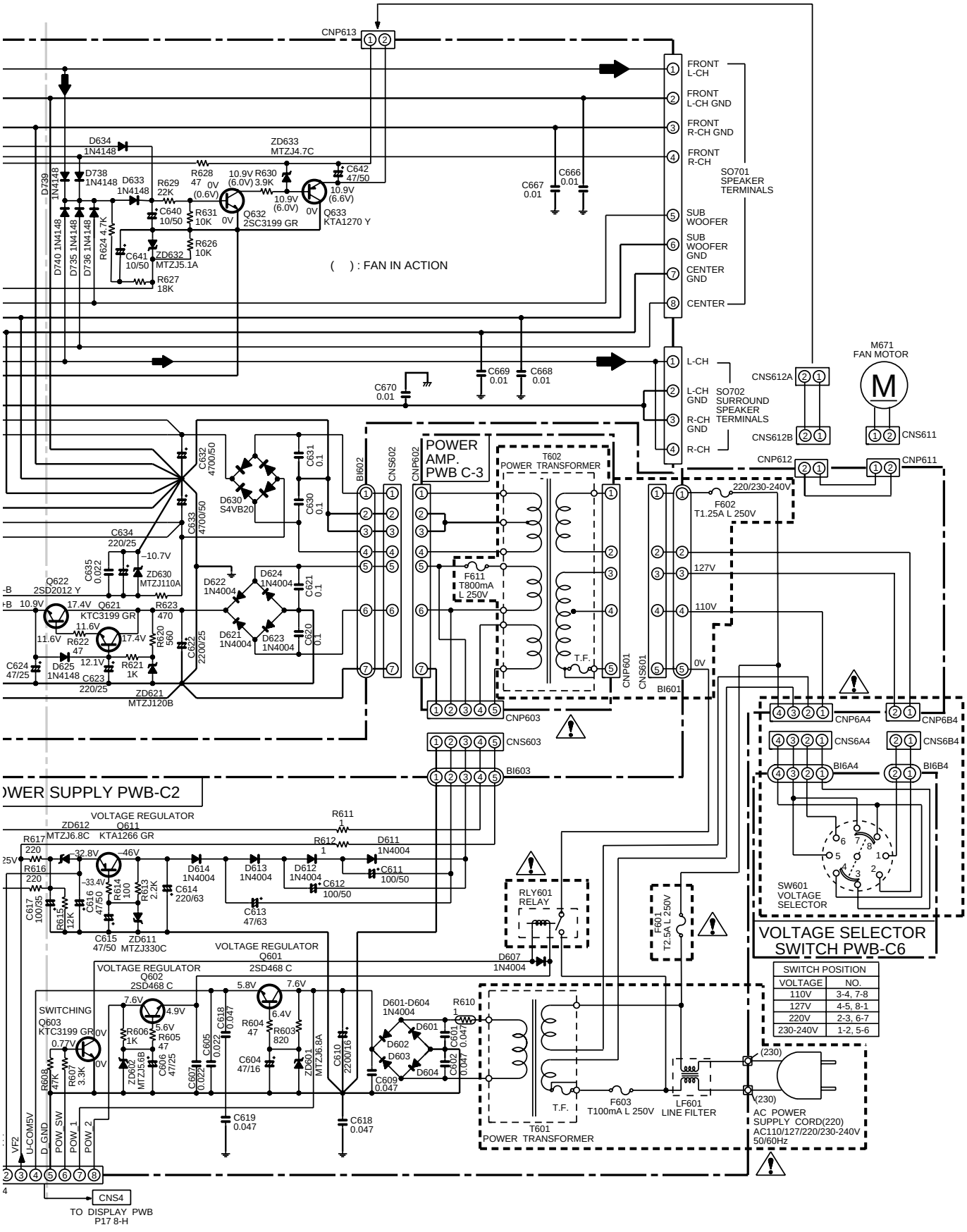

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 13 SCHEMATIC DIAGRAM (2/7)**



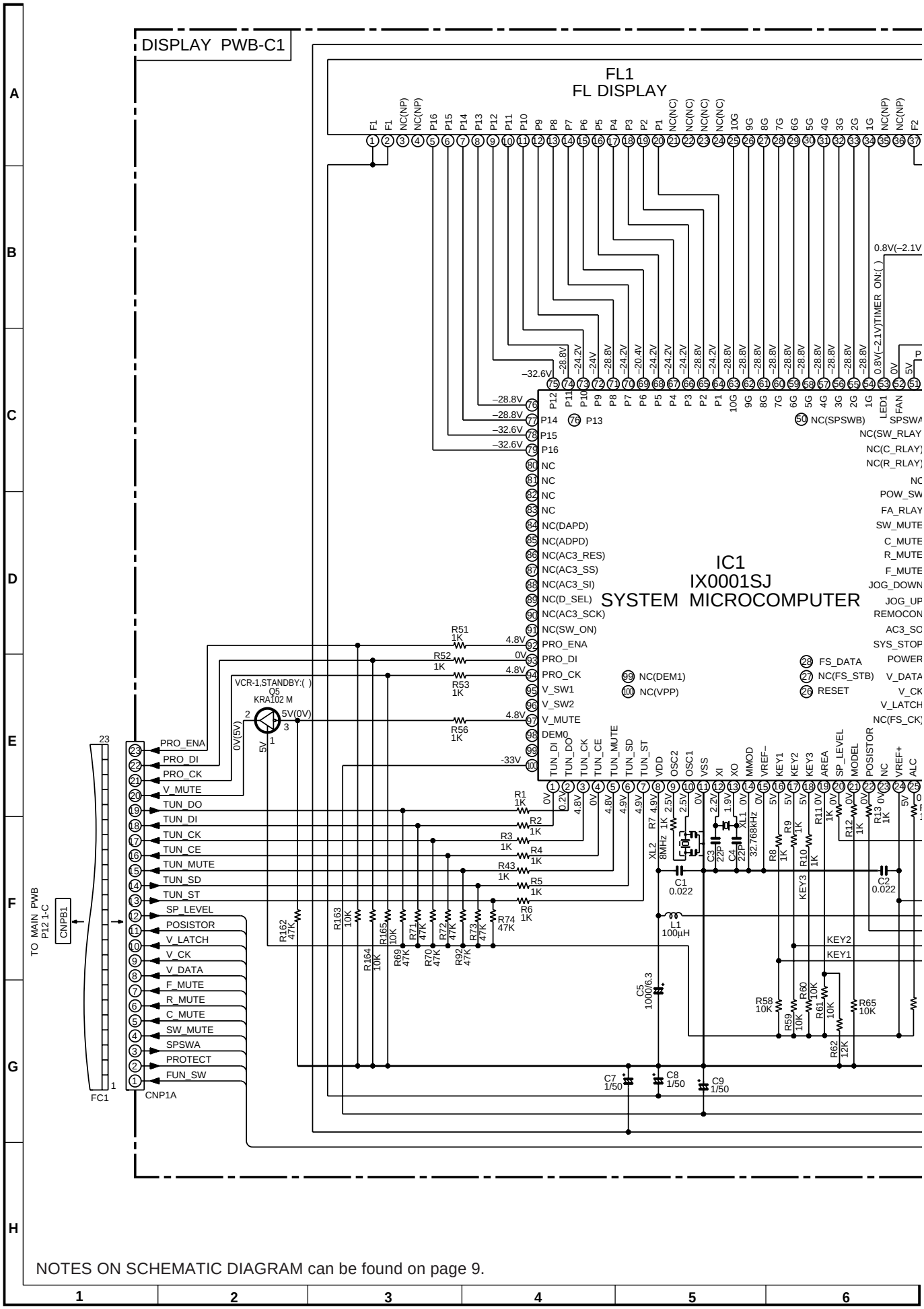

NOTES ON SCHEMATIC DIAGRAM can be found on page 9.

**Figure 14 SCHEMATIC DIAGRAM (3/7)**



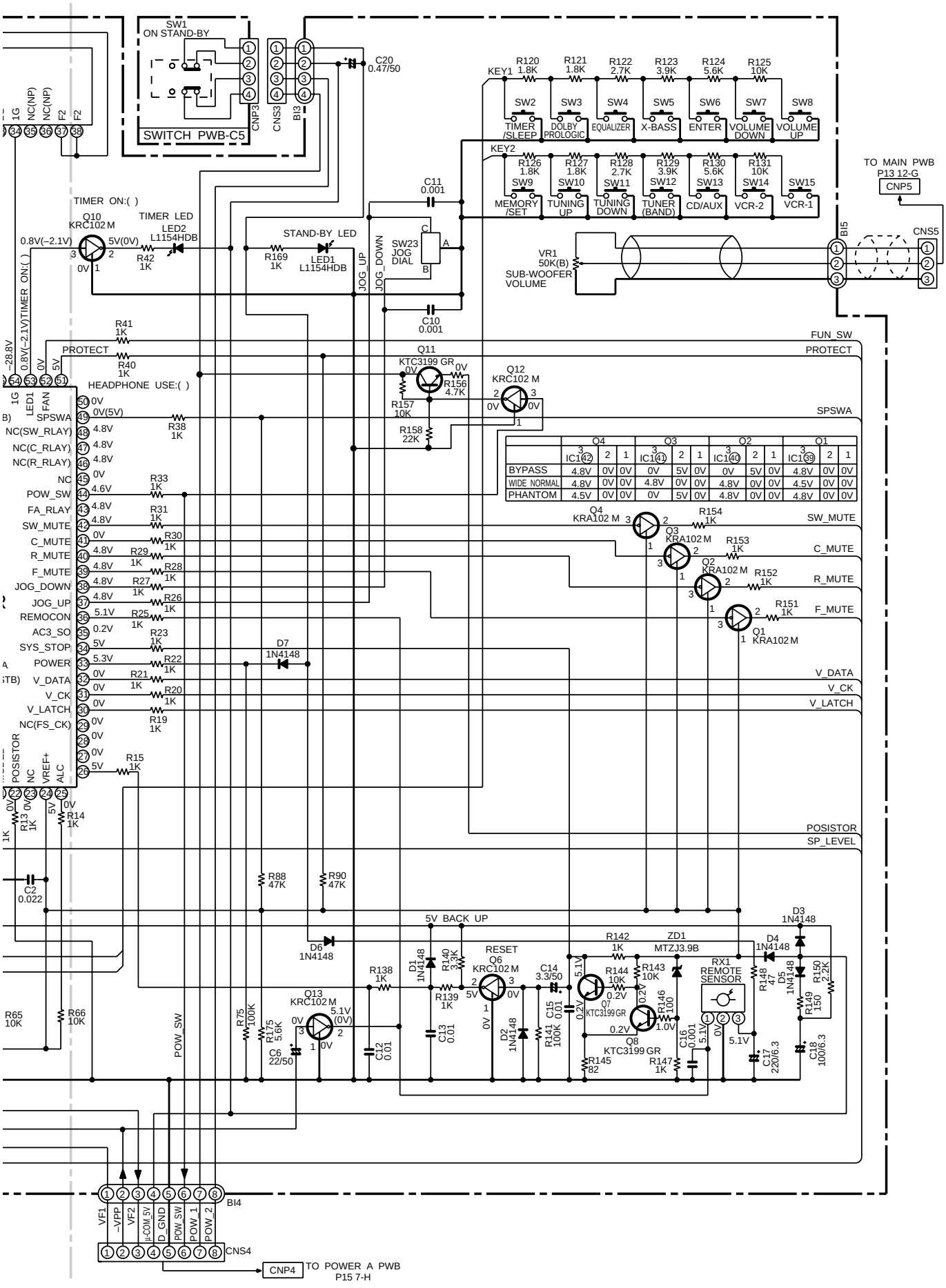

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 15 SCHEMATIC DIAGRAM (4/7)**



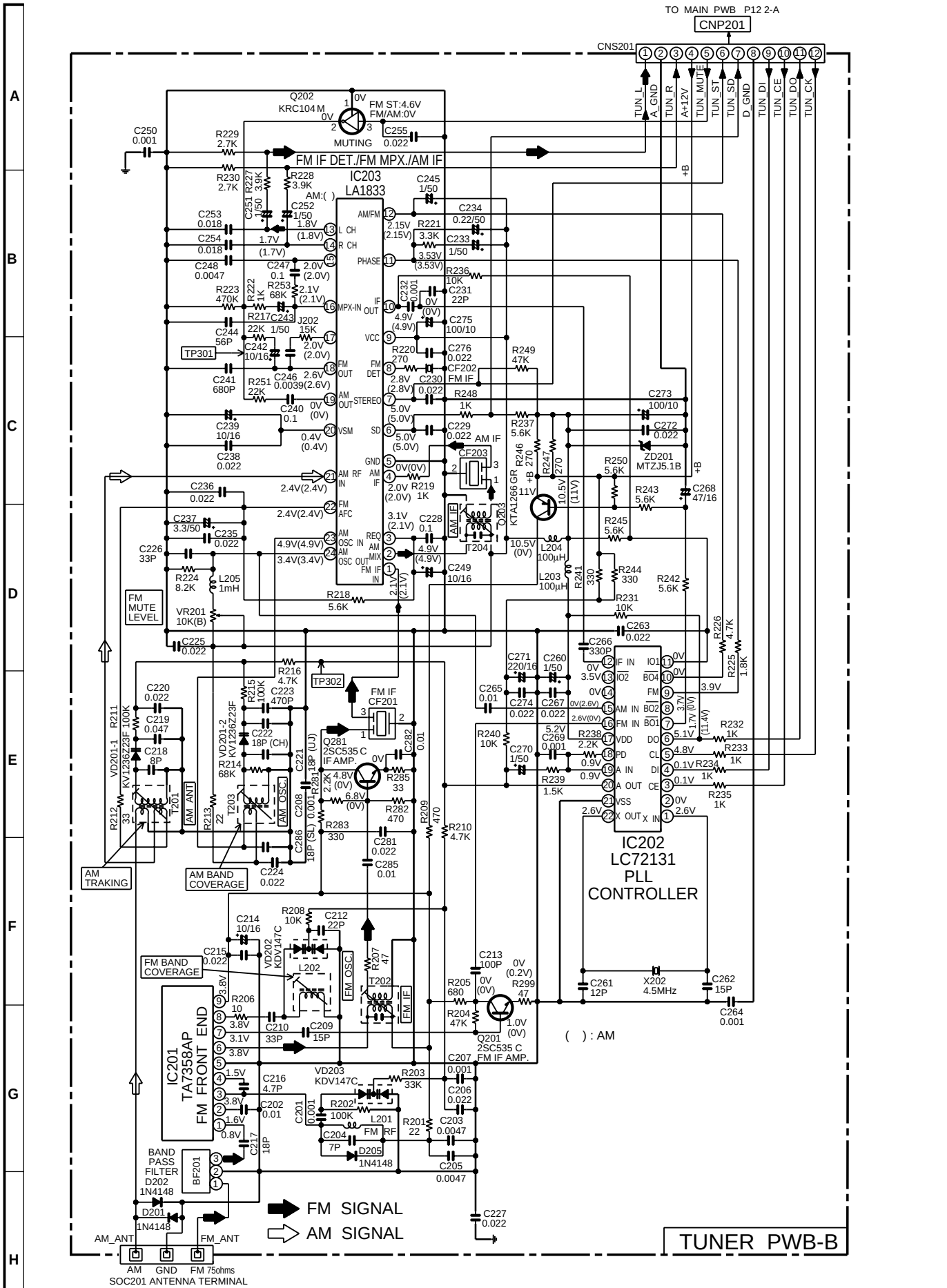

NOTES ON SCHEMATIC DIAGRAM can be found on page 9.

**Figure 16 SCHEMATIC DIAGRAM (5/7)**



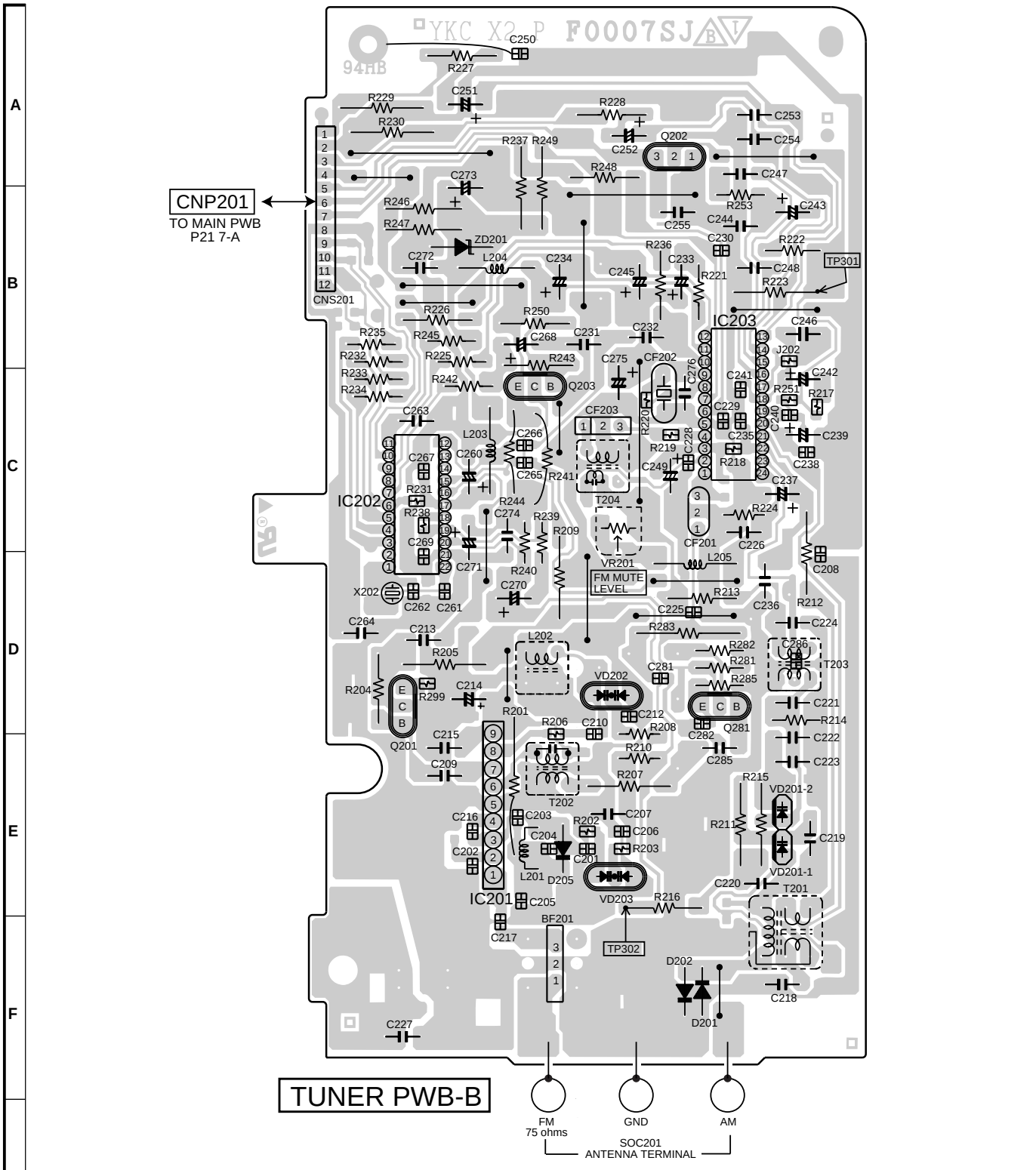

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 17 SCHEMATIC DIAGRAM (6/7)**




NOTES ON SCHEMATIC DIAGRAM can be found on page 9.

**Figure 18 SCHEMATIC DIAGRAM (7/7)**



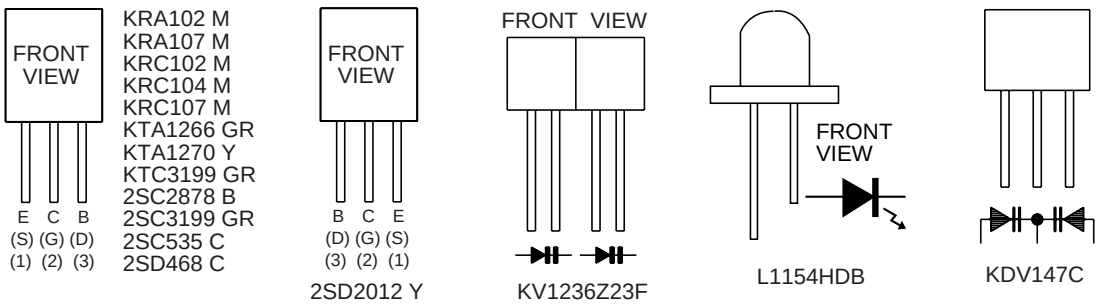




**Figure 19 TYPES OF TRANSISTOR AND LED**

**Figure 19 WIRING OF P.W.BOARD (1/5)**

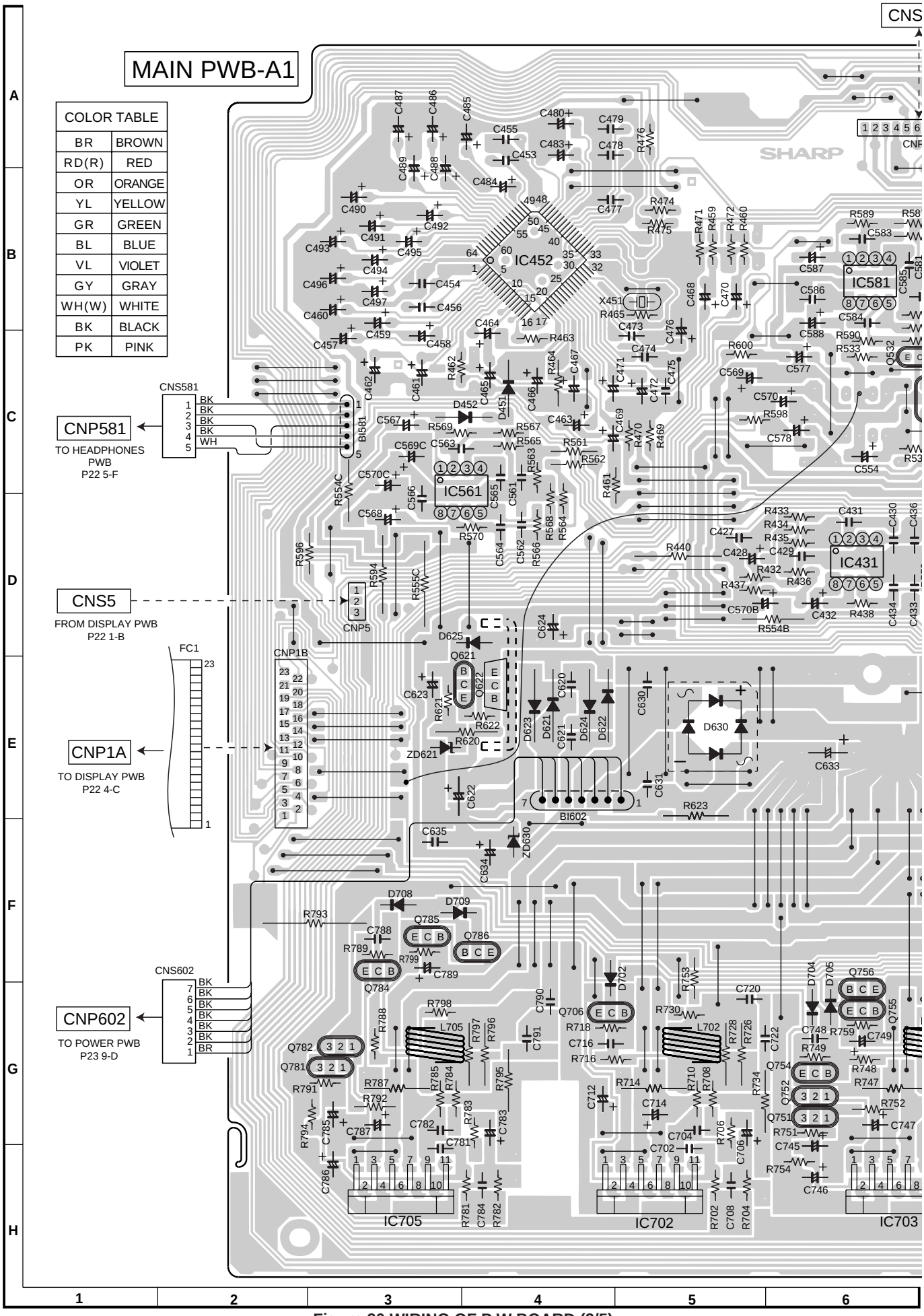



Figure 20 WIRING OF P.W.BOARD (2/5)

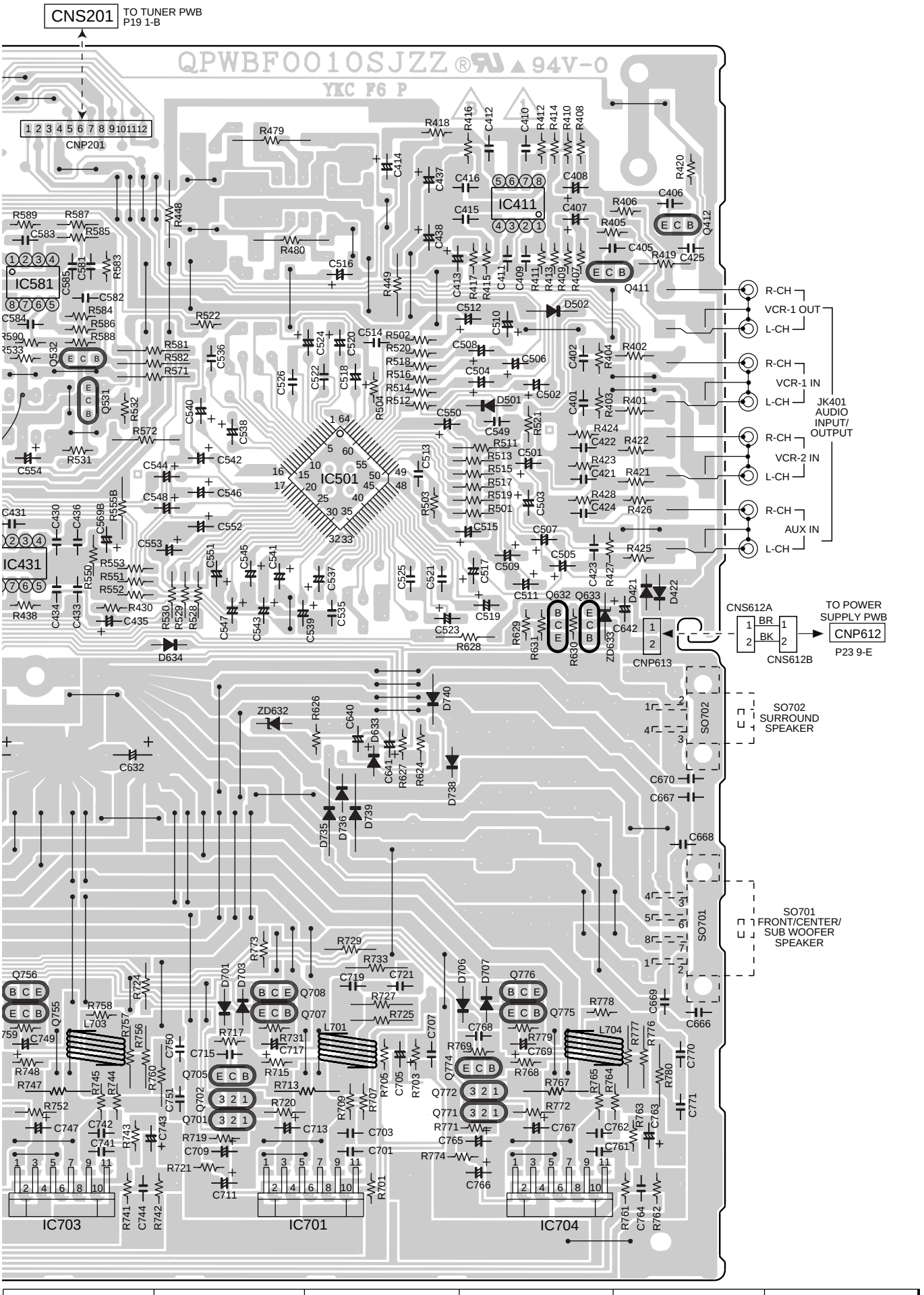



**Figure 21 WIRING OF P.W.BOARD (3/5)**

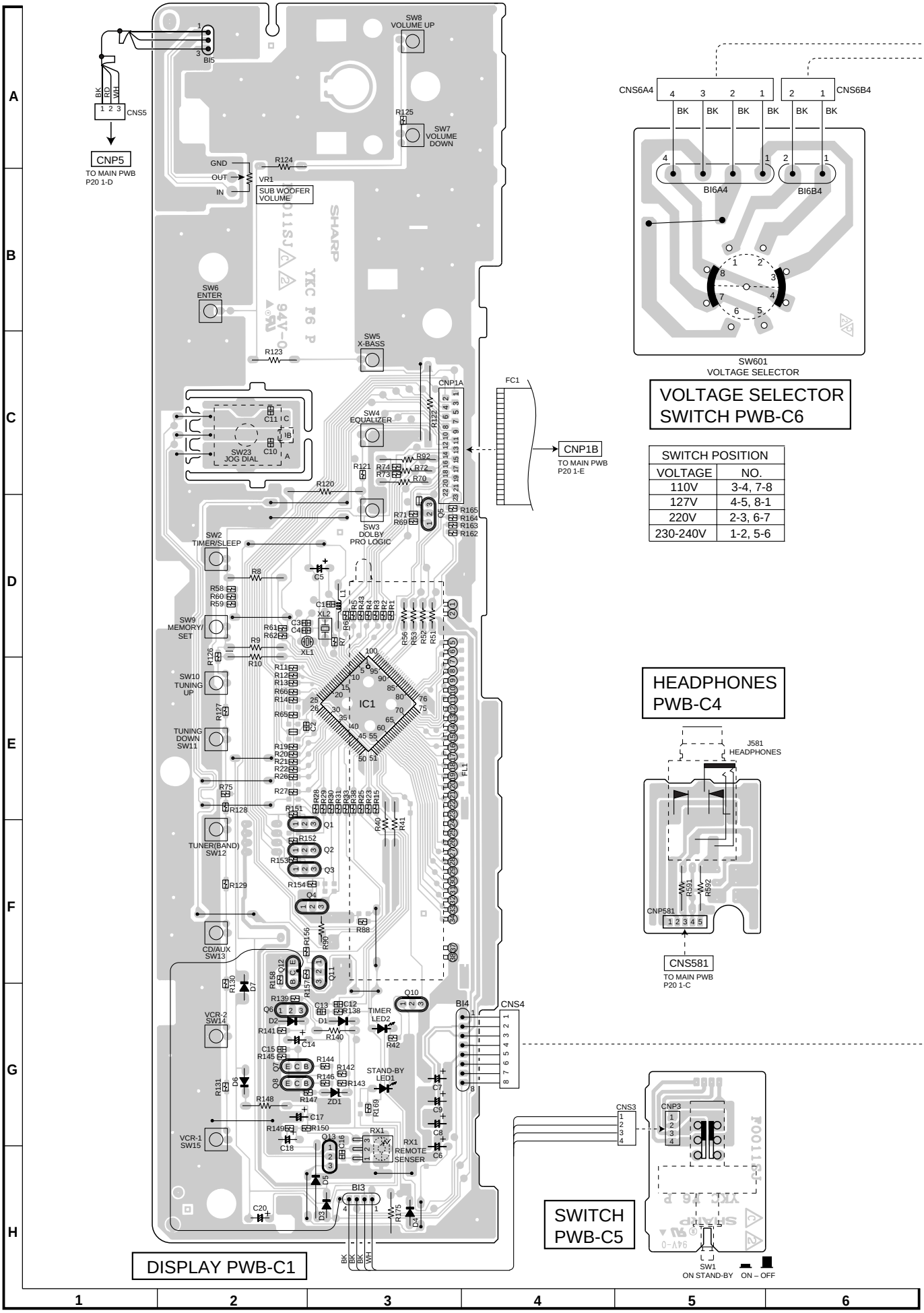
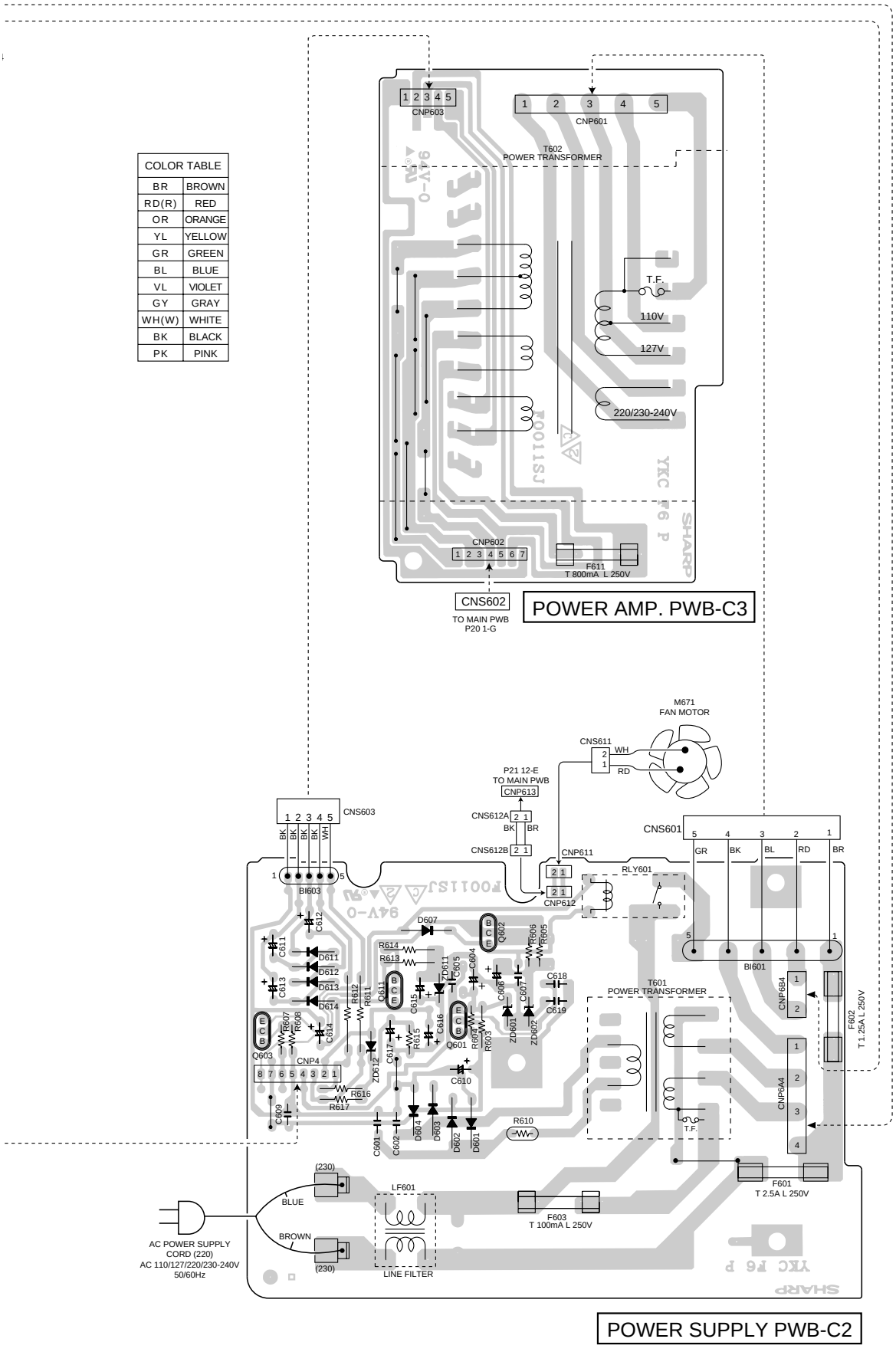
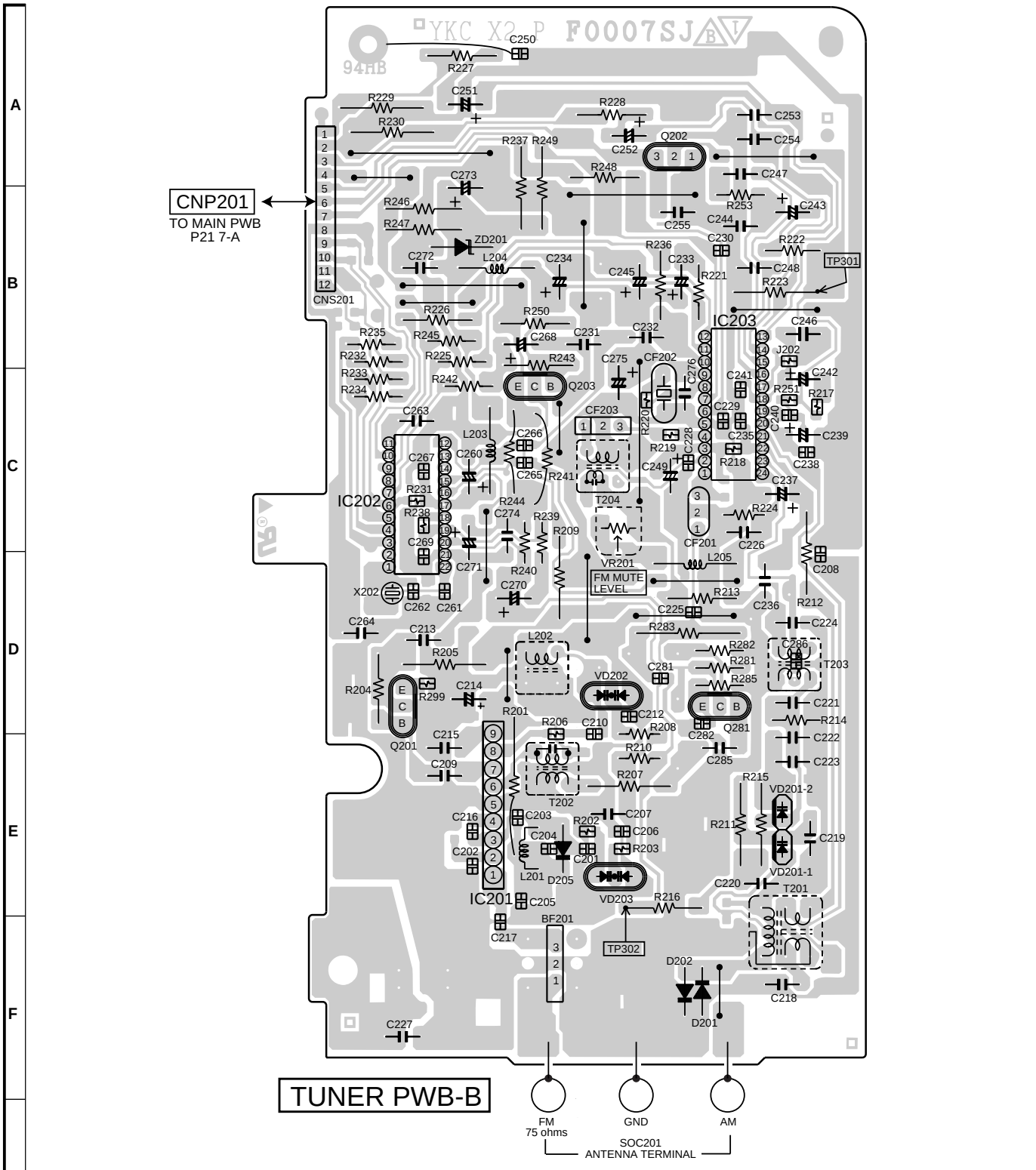



**Figure 22 WIRING OF P.W.BOARD (4/5)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 23 WIRING OF P.W.BOARD (5/5)**



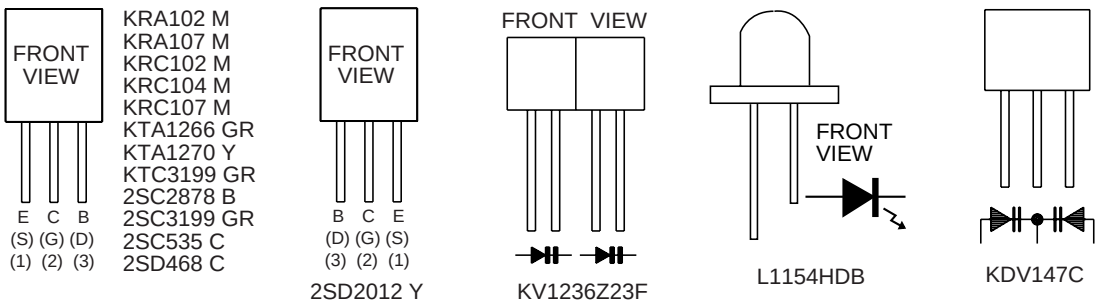




**Figure 19 TYPES OF TRANSISTOR AND LED**

**Figure 19 WIRING OF P.W.BOARD (1/5)**

# FUNCTION TABLE OF IC

## IC1 RH-iX0001SJZZ: System Microcomputer (IX0001SJ) (1/2)

| Pin No. | Port Name | Terminal Name | Input/ Output | Function |
|---|---|---|---|---|
| 1 | P00/TXD/SBO0 | TUN_DI | Output | Data output terminal to the tuner PLL IC |
| 2 | P01/RXD/SBI0 | TUN_DO | Input | Data input terminal from the tuner PLL IC |
| 3 | P02/STB0 | TUNE_CK | Output | Clock output synchronized with the tuner PLL IC |
| 4 | P03/SBO1 | TUN_CE | Output | Enable output for the tuner PLL IC "L" = OFF, "H" = ON |
| 5 | P04/SBI1 | TUN_MUTE | Output | Tuner mute output terminal |
| 6 | P05/SBT1 | TUN_SD | Input | Terminal for detecting the tuner broadcast reception mode<br>"L" = During broadcast reception |
| 7 | P06/DK/ BUZZER | TUN_ST | Input | Input for detecting whether or not the tuner is receiving stereo radio signals<br>"H" = MONO, "L" = STEREO |
| 8 | VDD | VDD | — | Microcomputer power supply +5V |
| 9 | OSC2 | OSC2 | Output | External oscillator terminel for the main clock f = 8.00 MHz |
| 10 | OSC1 | OSC1 | Input | External oscillator terminel for the main clock f = 8.00 MHz |
| 11 | VSS | VSS | — | Microcomputer power supply GND |
| 12 | XI | XI | Input | External oscillator terminel for the sub clock f = 32.768 kHz |
| 13 | XO | XO | Output | External oscillator terminel for the sub clock f = 32.768 kHz |
| 14 | MMOD | MMOD | Input | Memory mode select terminal |
| 15 | VREF- | VREF- | — | A/D convertor power supply GND |
| 16-18 | PA0/AN0-PA2/AN2 | KEY1-KEY3 | Input | Operation key input MAX-10 key |
| 19 | PA3/AN3 | AREA | Input | Destination detection input. Operates as an A/D input port<br>Detects the destination setting on the DC voltage when resetting. |
| 20 | PA4/AN4 | SP_LEVEL | Input | Main speaker output level detection, input |
| 21 | PA5/AN5 | MODEL | Input | Model detection input. Detects the model on DC voltage when resetting. |
| 22 | PA6/AN6 | POSISTOR | Input | Input for detecting an increase in the power amplifier temperature |
| 23* | PA7/AN7 | N.C | — | Not used |
| 24 | VREF+ | VREF+ | — | A/D convertor power supply +5V |
| 25 | P07 | ALC | Input | Power output ALC function ON/OFF control terminal |
| 26 | P27/$\overline{RST}$ | RESET | Input | System reset, input |
| 27* | P10/TM0IO | FS_STB | Output | Function select IC strobe signal |
| 28* | P11/TM1IO | FS_DATA | Output | Function select IC control signal, output |
| 29* | P12/TM2IO | FS_CK | Output | Synchronous clock output to the function select IC |
| 30 | P13/TM3IO | V_LATCH | Output | Latched data output to the electronic volume IC<br>Model 2000: Electronic volume IC enable, output |
| 31 | P14/TM4IO | V_CK | Output | Synchronous clock for the electronic volume IC |
| 32 | P15 | V_DATA | Output | Data output to the electronic volume IC |
| 33 | P20/IRQ0 | POWER | Input | Main case primary power switch, input "H" = ON, "L" = OFF |
| 34 | P21/SEN/IRQ1 | SYS_STOP | Input | Power failure detection, input. Changes to the STOP mode when "L". |
| 35* | P22/IRQ2 | AC3_SO | Input | ZR38600 serial data, input |
| 36 | P23/IRQ3 | REMOCON | Input | Remote control signal, input |
| 37 | P24/IRQ4 | JOG_UP | Input | Jog dial UP pulse, input |
| 38 | P25 | JOG_DOWN | Input | Jog dial DOWN pulse, input |
| 39 | P30/SBO2 | F_MUTE | Output | Front amplifier input, Mute output "H" = MUTE OFF, "L" = MUTE ON |
| 40 | P31/SBI2 | R_MUTE | Output | Rear amplifier input, Mute output "H" = MUTE OFF, "L" = MUTE ON |
| 41 | P32/SBT2 | C_MUTE | Output | Center amplifier input, Mute output "H" = MUTE OFF, "L" = MUTE ON |
| 42 | P50 | SW_MUTE | Output | Woofer amplifier input, Mute output "H" = MUTE OFF, "L" = MUTE ON |
| 43* | P51 | FA_RLAY | Output | Front 'A' speakers' protective relay control, output<br>"H" = RLAY CLOSE, "L" = RLAY OPEN |
| 44 | P52 | POW_SW | Output | Primary-side AC power ON/OFF relay control, output "H" = ON, "L" = OFF |
| 45* | P53 | N.C | — | Not used |
| 46* | P54 | R_RLAY | Output | Rear speaker protective relay control, output<br>"H" = RLAY CLOSE, "L" = RLAY OPEN |
| 47* | P67/DGT17 | C_RLAY | Output | Center speaker protective relay control, output<br>"H" = RLAY CLOSE, "L" = RLAY OPEN |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

## IC1 RH-iX0001SJZZ: System Microcomputer (IX0001SJ) (2/2)

| Pin No. | Port Name | Terminal Name | Input/ Output | Function |
|---|---|---|---|---|
| 48* | P66/DGT16 | SW_RLAY | Output | Woofer speaker protective relay control, output<br>"H" = RLAY CLOSE, "L" = RLAY OPEN |
| 49 | P65/DGT15 | SPSWA | Input | Headphone plug insertion detection, input, and 'A' speakers' switch input |
| 50* | P64/DGT14 | SPSWB | Input | 'B' speakers' switch input |
| 51 | P63/DGT13 | PROTECT | Input | power amplifier protect mode, input |
| 52 | P62/DGT12 | FAN | Output | Air-cooling fan control, output "L" = OFF, "H" = ON |
| 53 | P61/DGT11 | LED1 | Output | Timer stand-by ON LED control, output<br>"L" = Timer OFF, "H" = Timer ON |
| 54 | P60/DGT9 | 1G | Output | VFD grid output |
| 55 | P41/DGT8 | 2G | Output | VFD grid output |
| 56 | P40/SEG0/DGT7 | 3G | Output | VFD grid output |
| 57-63 | P77/SEG1/DGT6-<br>P71/SEG7/DGT0 | 4G-10G | Output | VFD grid output |
| 64 | P70/SEG8 | P1 | Output | VFD anode output |
| 65-72 | P87/SEG8-<br>P80/SEG15 | P2-P9 | Output | VFD anode output |
| 73-79 | P97/SEG16<br>P91/SEG22 | P10-P16 | Output | VFD anode output |
| 80* | P90/SEG23 | N.C | — | Not used |
| 81*-83* | PC2/SEG24-<br>PC0/SEG26 | N.C | — | Not used |
| 84* | PB7/SEG27 | DAPD | Output | D/A convertor ON/OFF control, output "L" = STANDBY, "H" = ON |
| 85* | PB6/SEG28 | ADPD | Output | A/D convertor ON/OFF control, output "L" = STANDBY, "H" = ON |
| 86* | PB5/SEG29 | AC3_RES | Output | ZR38600 reset, output |
| 87* | PB4/SEG30 | AC3_SS | Output | ZR38600 slave, output |
| 88* | PB3/SEG31 | AC3_SI | Output | ZR38600 serial data, output |
| 89* | PB2/SEG32 | D_SEL | Output | Digital function input select terminal "L" = Digital 2, "H" = Digital 1 |
| 90* | PB1/SEG33 | AC3_SCK | Output | Synchronous clock output to the ZR38600 |
| 91* | PB0/SEG34 | SW_ON | Output | Sub woofer ON/OFF, output |
| 92 | PD7/SEG35 | PRO_ENA | Output | Pro Logic IC enable, output "L" = OFF, "H" = ON |
| 93 | PD6/SEG36 | PRO_DI | Output | Data output to the Pro Logic IC |
| 94 | PD5/SEG37 | PRO_CK | Output | Synchronous clock output to the Pro Logic IC |
| 95*,96* | PD4/SEG38,<br>PD3/SEG39 | V_SW1,<br>V_SW2 | Output | Video input/output select switch control signal |
| 97 | PD2/SEG40 | V_MUTE | Output | Video output mute signal |
| 98*,99* | PD1/SEG41, | DEM0,DEM1 | Output | D/A convertor de-emphasas filter control, output |
| 100 | VPP | VPP | — | Not used |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

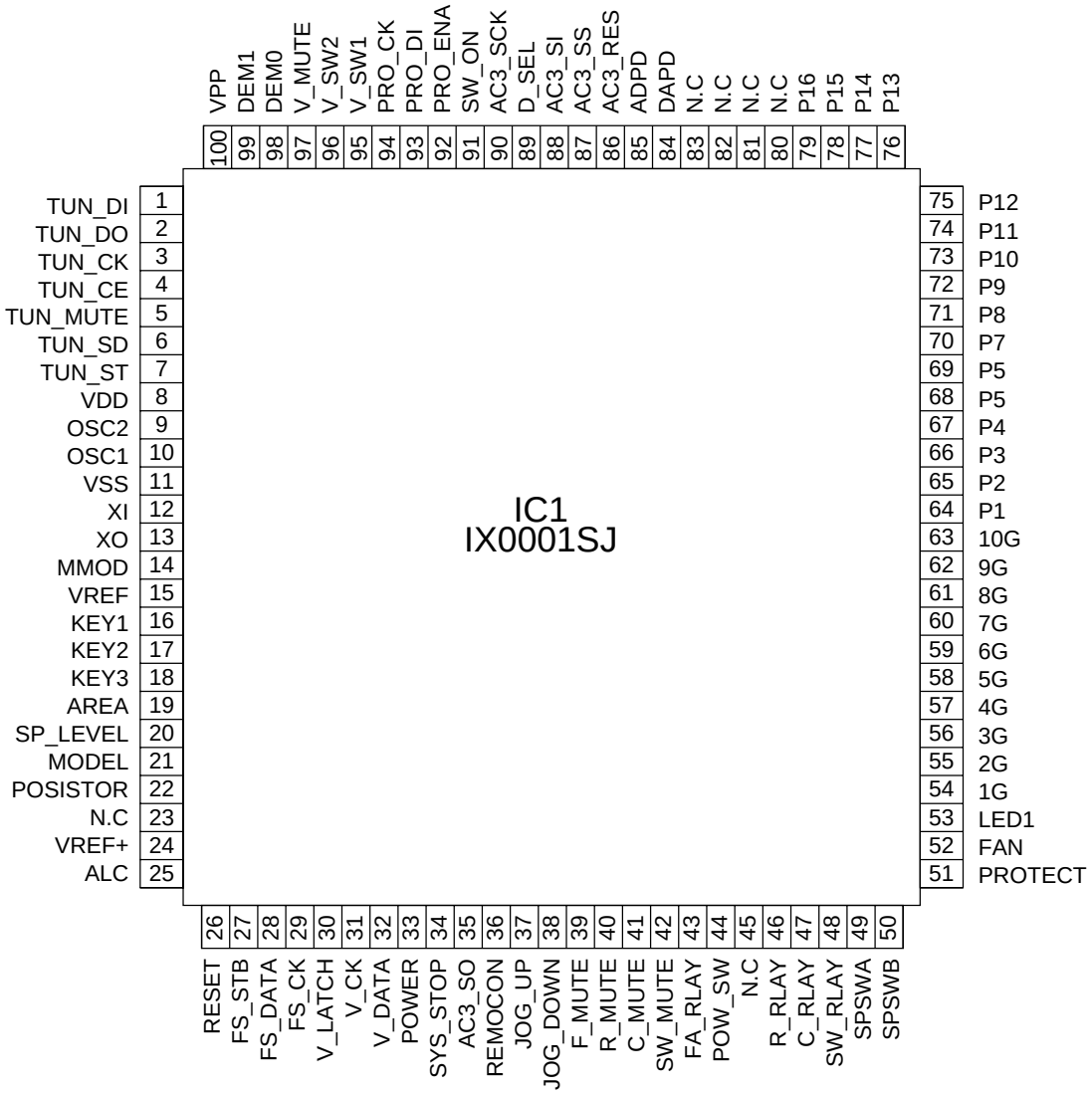
## HT-DP2500W

### IC501 VHiLC75396N-1: Audio Processor (LC75396N)

| Pin No. | Terminal Name | Function |
|---|---|---|
| 1-3 | RF1C1-RF1C3 | Terminal to connect capacitor of filter configuration for equalizer F1 band<br>Connect the capacitor between LF1C1(RF1C1) and LF1C2(RF1C2) between LF1C2 (RF1C2) and LF1C3(RF1C3). |
| 4-6 | RF2C1-RF2C3 | Terminal to connect capacitor of filter configuration for equalizer F2 band<br>Connect the capacitor between LF2C1(RF2C1) and LF2C2(RF2C2) between LF2C2 (RF2C2) and LF2C3(RF2C3). |
| 7*-9* | RF3C1-RF3C3 | Terminal to connect capacitor of filter configuration for equalizer F3 band<br>Connect the capacitor between LF3C1(RF3C1) and LF3C2(RF3C2) between LF3C2 (RF3C2) and LF3C3(RF3C3). |
| 10*-12* | RF4C1-RF4C3 | Terminal to connect capacitor of filter configuration for equalizer F4 band<br>Connect the capacitor between LF4C1(RF4C1) and LF4C2(RF4C2) between LF4C2 (RF4C2) and LF4C3(RF4C3). |
| 13 | RF5 | Terminal to connect capacitor of filter configuration for equalizer F5 band<br>Terminal to connect the externally provided capacitor |
| 14 | RTOUT | Equalizer output terminal |
| 15 | RFIN | Input terminal of R-ch front side 4dB step control |
| 16 | RFCOM | Common terminal of R-ch front side 1dB step control |
| 17 | RFOUT | Output terminal of R-ch front side control |
| 18 | RRIN | Input terminal of R-ch rear side 4dB step control |
| 19 | RRCOM | Common terminal of R-ch rear side 1dB step control |
| 20 | RROUT | Output terminal of R-ch rear side control |
| 21 | RVREF | Internal analog ground terminal |
| 22 | VREF | Connect the capacitor of about several 10 uF between Vref and AVSS (VSS) so as to prevent power supply ripple in the VDD/2 voltage generating section. |
| 23 | CL | Terminal to input serial data and clock for control |
| 24 | DI | Terminal to input serial data and clock for control |
| 25 | CE | Chip enable terminal. Data is written in the internal latch with a timing of changing H to L, and the specific analog switch is actuated. Data transfer is enabled on the H level. |
| 26 | VSS | GND |
| 27 | LVREF | Internal analog ground terminal |
| 28 | LROUT | Output terminal of L-ch rear side control |
| 29 | LRCOM | Common terminal of L-ch rear side 1dB step control |
| 30 | LRIN | Input terminal of L-ch rear side 4dB step control |
| 31 | LFOUT | Output terminal of L-ch front side control |
| 32 | LFCOM | Common terminal of L-ch front side 1dB step control |
| 33 | LFIN | Input terminal of L-ch front side 4dB step control |
| 34 | LTOUT | Equalizer output terminal |
| 35 | LF5 | Terminal to connect capacitor of filter configuration for equalizer F5 band<br>Terminal to connect the externally provided capacitor |
| 36*-38* | LF4C3-LF4C1 | Terminal to connect capacitor of filter configuration for equalizer F4 band<br>Connect the capacitor between LF4C1(RF4C1) and LF4C2(RF4C2) between LF4C2 (RF4C2) and LF4C3(RF4C3). |
| 39*-41* | LF3C3-LF3C1 | Terminal to connect capacitor of filter configuration for equalizer F3 band<br>Connect the capacitor between LF3C1(RF3C1) and LF3C2(RF3C2) between LF3C2 (RF3C2) and LF3C3(RF3C3). |
| 42-44 | LF2C3-LF2C1 | Terminal to connect capacitor of filter configuration for equalizer F2 band<br>Connect the capacitor between LF2C1(RF2C1) and LF2C2(RF2C2) between LF2C2 (RF2C2) and LF2C3(RF2C3). |
| 45-47 | LF1C3-LF1C1 | Terminal to connect capacitor of filter configuration for equalizer F1 band<br>Connect the capacitor between LF1C1(RF1C1) and LF1C2(RF1C2) between LF1C2 (RF1C2) and LF1C3(RF1C3). |
| 48 | LTIN | Equalizer input terminal |
| 49 | LSELO | Input selector output terminal |
| 50 | LINVIN1 | Operational amplifier reverse input terminal for input gain setting |
| 51-55 | L5-L1 | Input signal terminal |
| 56 | VDD | Power terminal |
| 57-61 | R1-R5 | Input signal terminal |
| 62 | RINVIN1 | Operational amplifier reverse input terminal for input gain setting |
| 63 | RSERO | Input selector output terminal |
| 64 | RTIN | Equalizer input terminal |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

## IC1 RH-iX0001SJZZ: System Microcomputer (IX0001SJ)




## IC203 VHiLA1833//-1: FM IF Det./FM MPX./AM IF (LA1833)

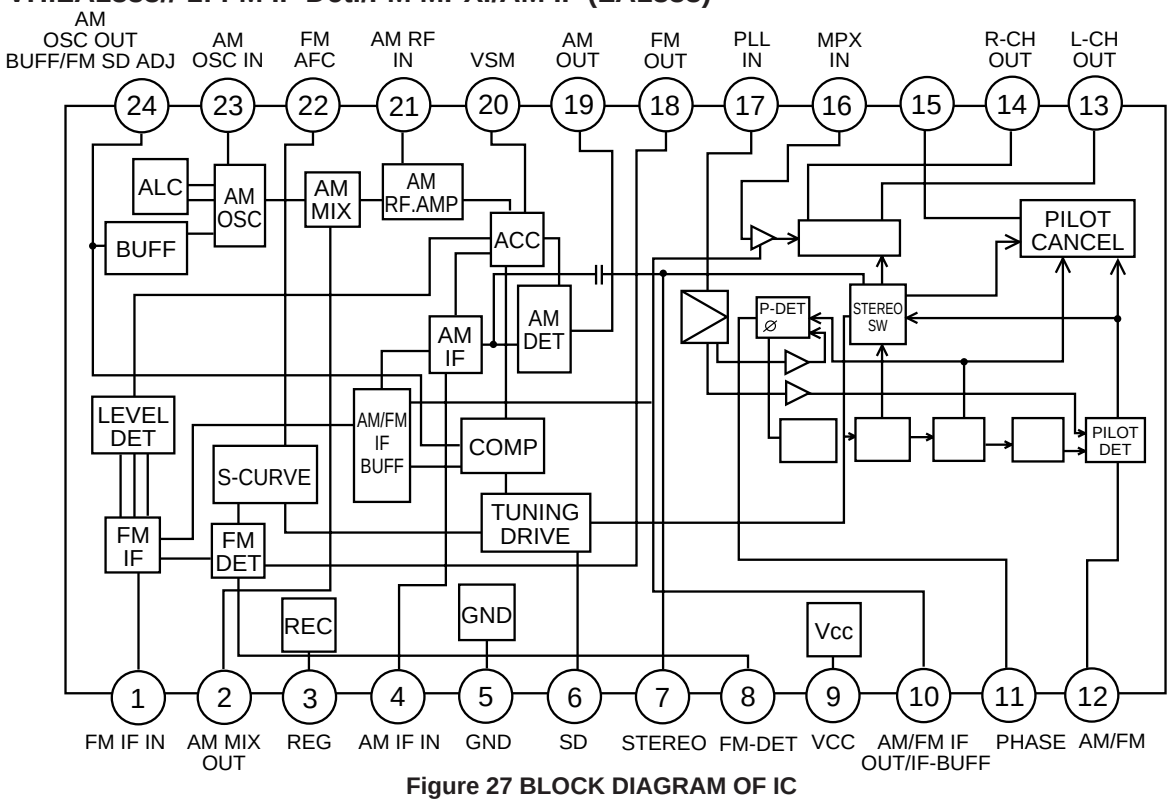



**Figure 27 BLOCK DIAGRAM OF IC**

## IC452 VHiLV1035M/-1: Dolby Pro Logic Decorder (LV1035M)

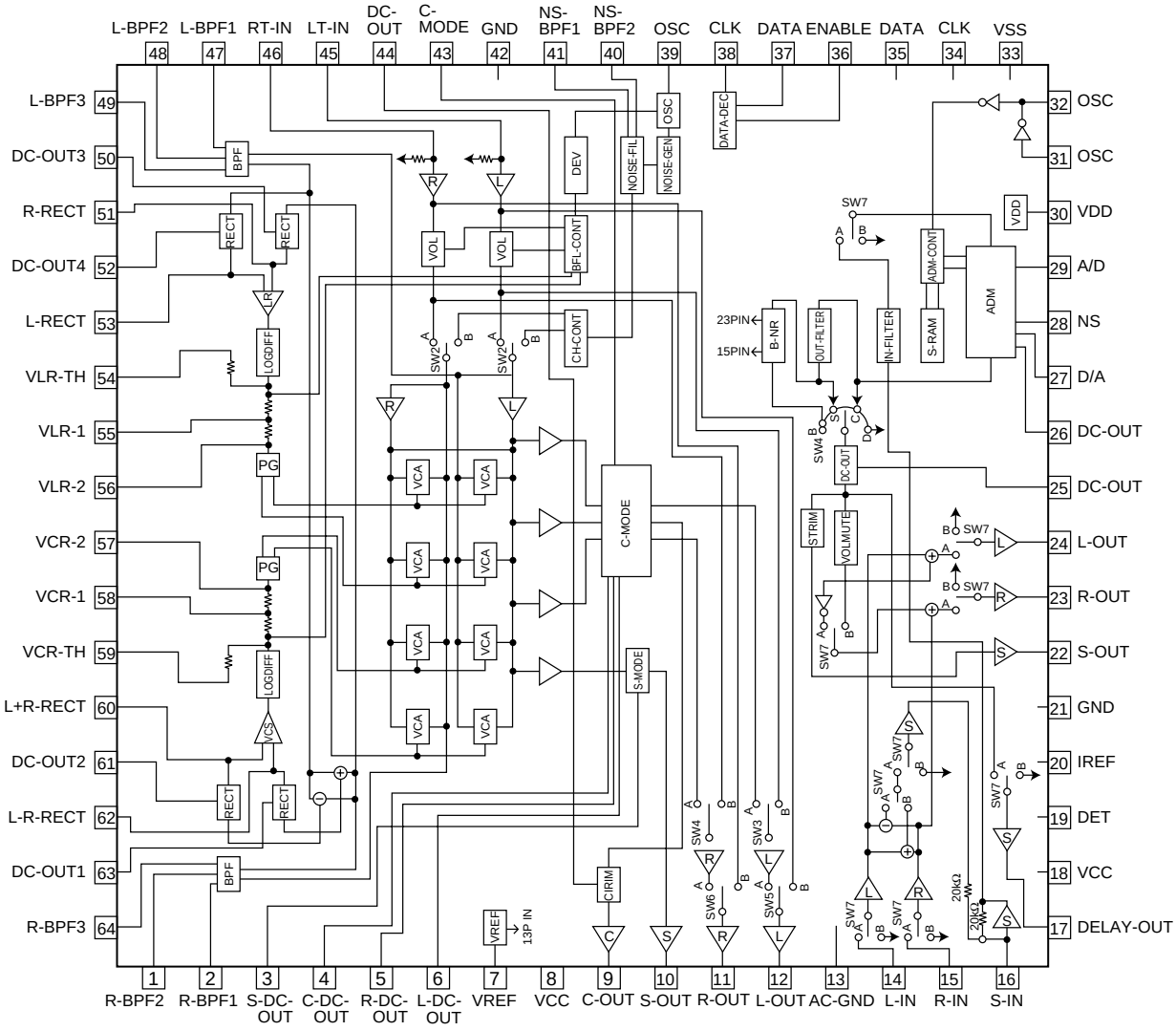
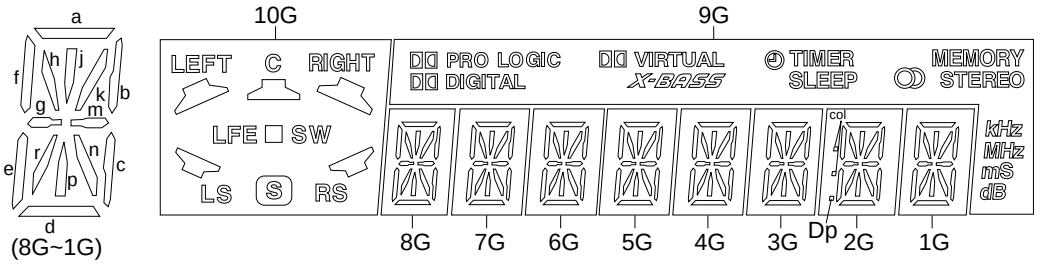



**Figure 28-1 BLOCK DIAGRAM OF IC**

## FL1 VVKBT211GK/-1: FL Display




ANODE CONNECTION

| | 10G | 9G | 8G~3G | 2G | 1G | | 10G | 9G | 8G~3G | 2G | 1G |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | RIGHT | DIGITAL | a | a | a | P9 | | STEREO | c | c | c |
| P2 | C | PRO LOGIC | h | h | h | P10 | | MEMORY | e | e | e |
| P3 | LEFT | X-BASS | j | j | j | P11 | RS | kHz | r | r | r |
| P4 | | VIRTUAL | k | k | k | P12 | S | MHz | p | p | p |
| P5 | | SLEEP | b | b | b | P13 | LS | mS | n | n | n |
| P6 | | | f | f | f | P14 | — | dB | d | d | d |
| P7 | SW | TIMER | m | m | m | P15 | — | — | — | Dp | — |
| P8 | LFE | | g | g | g | P16 | — | — | — | col | — |

**Figure 28-2 FL SEGMENT**

## IC452 VHiLV1035M/-1: Dolby Pro Logic Decorder (LV1035M)

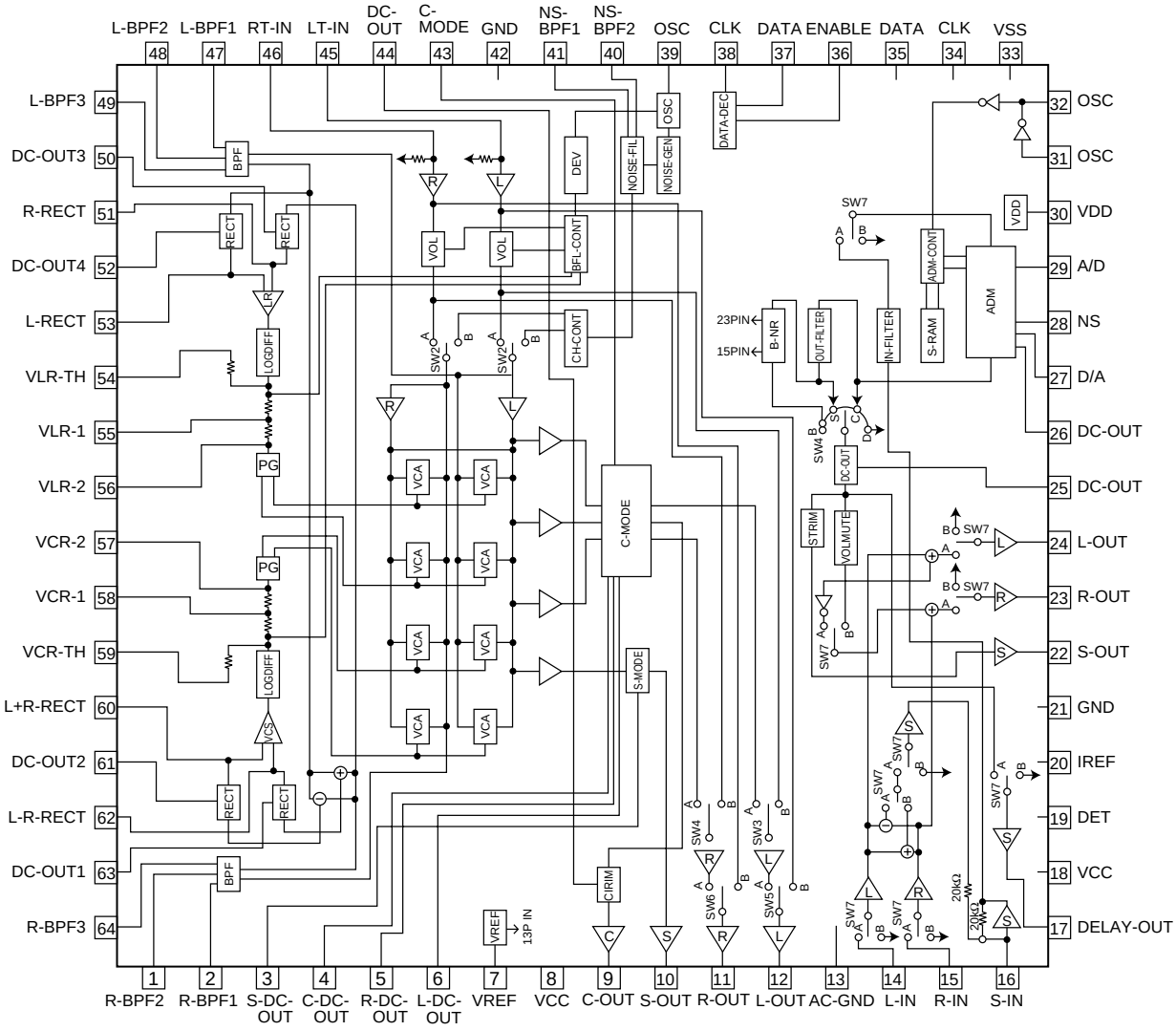
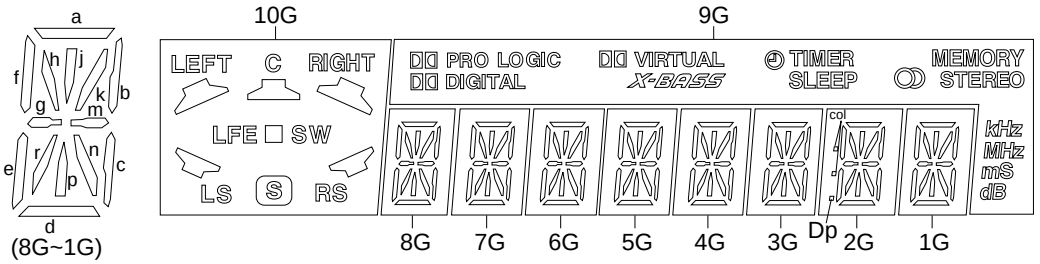



**Figure 28-1 BLOCK DIAGRAM OF IC**

## FL1 VVKBT211GK/-1: FL Display




ANODE CONNECTION

| | 10G | 9G | 8G~3G | 2G | 1G | | 10G | 9G | 8G~3G | 2G | 1G |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | RIGHT | DIGITAL | a | a | a | P9 | | STEREO | c | c | c |
| P2 | C | PRO LOGIC | h | h | h | P10 | | MEMORY | e | e | e |
| P3 | LEFT | X-BASS | j | j | j | P11 | RS | kHz | r | r | r |
| P4 | | VIRTUAL | k | k | k | P12 | S | MHz | p | p | p |
| P5 | | SLEEP | b | b | b | P13 | LS | mS | n | n | n |
| P6 | | | f | f | f | P14 | — | dB | d | d | d |
| P7 | SW | TIMER | m | m | m | P15 | — | — | — | Dp | — |
| P8 | LFE | | g | g | g | P16 | — | — | — | col | — |

**Figure 28-2 FL SEGMENT**

# SHARP PARTS GUIDE

## MODEL HT-DP2500W

HT-DP2500W home theater system consisting of
HT-DP2500W home theater system, CP-F2500W,
CP-SW2500W, CP-C2500W and CP-SR2500W.

**"HOW TO ORDER REPLACEMENT PARTS"**

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

**For U.S.A. only**

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

## Explanation of capacitors/resistors parts codes

### Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

### Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

**NOTE:**
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

# HT-DP2500W

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|

**HT-DP2500W**

## INTEGRATED CIRCUITS

| | | | | |
|---|---|---|---|---|
| IC1 | RH-IX0001SJZZ | J | BE | System Microcomputer, IX0001SJ |
| IC201 | VHITA7358AP-1 | J | AG | FM Front End,TA7358AP |
| IC202 | VHILC72131/-1 | J | AP | PLL (Controller),LC72131 |
| IC203 | VHILA1833//-1 | J | AV | FM/IF Det./FM Mpx./AM IF, LA1833 |
| IC411 | VHINJM4565D-1 | J | AC | VCR1 Output Amp.,NJM4565D |
| IC431 | VHINJM4558D-1 | J | AH | Low Pass Filter Amp.,NJM4558D |
| IC452 | VHILV1035M/-1 | J | BC | Dolby Pro Logic Decorder, LV1035M |
| IC501 | VHILC75396N-1 | J | AX | Audio Processor,LC75396N |
| IC561 | VHINJM4558D-1 | J | AH | Buffer,NJM4558D |
| IC581 | VHINJM4558D-1 | J | AH | Headphone Amp.,NJM4558D |
| IC701~705 | VHILM2876//-1 | J | BA | Power Amp.,LM2876 |

## TRANSISTORS

| | | | | |
|---|---|---|---|---|
| Q1~5 | VSKRA102M//-1 | J | AC | Digital,PNP,KRA102 M |
| Q6 | VSKRC102M//-1 | J | AC | Digital,NPN,KRC102 M |
| Q7,8 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q10 | VSKRC102M//-1 | J | AC | Digital,NPN,KRC102 M |
| Q11 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q12,13 | VSKRC102M//-1 | J | AC | Digital,NPN,KRC102 M |
| Q201 | VS2SC535-C/-1 | J | AC | Silicon,NPN,2SC535 C |
| Q202 | VSKRC104M//-1 | J | AC | Digital,NPN,KRC104 M |
| Q203 | VSKTA1266GR-1 | J | AB | Silicon,PNP,KTA1266 GR |
| Q281 | VS2SC535-C/-1 | J | AC | Silicon,NPN,2SC535 C |
| Q411,412 | VS2SC2878B/-1 | J | AC | Silicon,NPN,2SC2878 B |
| Q531,532 | VS2SC2878B/-1 | J | AC | Silicon,NPN,2SC2878 B |
| Q601,602 | VS2SD468-C/-1 | J | AD | Silicon,NPN,2SD468 C |
| Q603 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q611 | VSKTA1266GR-1 | J | AB | Silicon,PNP,KTA1266 GR |
| Q621 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q622 | VS2SD2012Y/-1 | J | AF | Silicon,NPN,2SD2012 Y |
| Q632 | VS2SC3199GR-1 | J | AA | Silicon,NPN,2SC3199 GR |
| Q633 | VSKTA1270Y/-1 | J | AD | Silicon,PNP,KTA1270 Y |
| Q701 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q702 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q705~708 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q751 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q752 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q754~756 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q771 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q772 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q774~776 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |
| Q781 | VSKRA107M//-1 | J | AE | Digital,PNP,KRA107 M |
| Q782 | VSKRC107M//-1 | J | AC | Digital,NPN,KRC107 M |
| Q784~786 | VSKTC3199GR-1 | J | AB | Silicon,NPN,KTC3199 GR |

## DIODES

| | | | | |
|---|---|---|---|---|
| D1~7 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D201,202 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D205 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D421,422 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D451,452 | VHD1N4004//-1 | J | AB | Silicon,1N4004 |
| D501,502 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D601~604 | VHD1N4004//-1 | J | AB | Silicon,1N4004 |
| D607 | VHD1N4004//-1 | J | AB | Silicon,1N4004 |
| D611~614 | VHD1N4004//-1 | J | AB | Silicon,1N4004 |
| D621~624 | VHD1N4004//-1 | J | AB | Silicon,1N4004 |
| D625 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D630 | VHDS4VB20//-1 | J | AG | Rectifier,S4VB20 |
| D633,634 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D701~709 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D735,736 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| D738~740 | VHD1N4148//-1 | J | AA | Silicon,1N4148 |
| LED1,2 | VHPL1154HDB1F | J | AH | LED,Red,L1154HDB |
| VD201 | VHCKV1236Z23F | J | AS | Variable Capacitance, KV1236Z23F |
| VD202,203 | VHCKDV147C/-1 | J | AH | Variable Capacitance,KDV147C |
| ZD1 | VHEMTZJ3R9B-1 | J | AC | Zener,3.9V,MTZJ3.9B |
| ZD201 | VHEMTZJ5R1B-1 | J | AC | Zener,5.1V,MTZJ5.1B |
| ZD601 | VHEMTZJ6R8A-1 | J | AA | Zener,6.8V,MTZJ6.8A |
| ZD602 | VHEMTZJ5R6B-1 | J | AD | Zener,5.6V,MTZJ5.6B |
| ZD611 | VHEMTZJ330C-1 | J | AB | Zener,33V,MTZJ33C |
| ZD612 | VHEMTZJ6R8C-1 | J | AA | Zener,6.8V,MTZJ6.8C |
| ZD621 | VHEMTZJ120B-1 | J | AC | Zener,12V,MTZJ12B |
| ZD630 | VHEMTZJ110A-1 | J | AA | Zener,11V,MTZJ11A |
| ZD632 | VHEMTZJ5R1A-1 | J | AB | Zener,5.1V,MTZJ5.1A |
| ZD633 | VHEMTZJ4R7C-1 | J | AC | Zener,4.7V,MTZJ4.7C |

## FILTERS

| | | | | |
|---|---|---|---|---|
| BF201 | RFILR0008AWZZ | J | AE | Band Pass Filter |
| CF201 | RFILF0072AFZZ | J | AG | FM IF |
| CF202 | RFILF0002SJZZ | J | AH | FM IF |
| CF203 | RFILA0009AWZZ | J | AE | AM IF |

## TRANSFORMERS

| | | | | |
|---|---|---|---|---|
| T201 | RCILA0007SJZZ | J | AG | AM Antenna |
| T202 | RCILI0005SJZZ | J | AF | FM IF |
| T203 | RCILB0009SJZZ | J | AG | AM Oscillation |
| T204 | RCILI0004SJZZ | J | AF | AM IF |
| ⚠ T601 | RTRNP0009SJZZ | J | AZ | Power |
| ⚠ T602 | RTRNP0007SJZZ | J | BT | Power |

## COILS

| | | | | |
|---|---|---|---|---|
| L1 | VP-DH101K0000 | J | AB | 100 µH,Choke |
| L201 | RCILR0003SJZZ | J | AD | FM RF |
| L202 | RCILB0010SJZZ | J | AG | FM Oscillation |
| L203,204 | VP-DH101K0000 | J | AB | 100 µH,Choke |
| L205 | VP-DH102K0000 | J | AB | 1 mH,Choke |
| L701~705 | RCILZ0001SJZZ | J | AD | 0.3 mH,Coil |
| ⚠ LF601 | RCILZ0002SJZZ | J | | Line Filter |

## VARIABLE RESISTORS

| | | | | |
|---|---|---|---|---|
| VR1 | RVR-B0002SJZZ | J | AK | 50 kohms (B),Semi-VR[Sub-Woofer Volume] |
| VR201 | RVR-M0999AFZZ | J | AB | 10 kohm (B),Semi-VR [FM Mute Level] |

## VIBRATORS

| | | | | |
|---|---|---|---|---|
| X202 | RCRSP0002AWZZ | J | AH | Crystal,4.5 MHz |
| X451 | RCRM-0029AWZZ | J | AE | Ceramic,8 MHz |
| XL1 | RCRSP0051AF01 | J | AK | Crystal,32.768 kHz |
| XL2 | RCRM-0029AWZZ | J | AE | Ceramic,8 MHz |

## CAPACITORS

| | | | | |
|---|---|---|---|---|
| C1,2 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C3,4 | VCCCTV1HH220J | J | AA | 22 pF (CH),50V |
| C5 | RC-GZA108AF0J | J | AC | 1000 µF,6.3V,Electrolytic |
| C6 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C7~9 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C10,11 | VCKYTV1HB102K | J | AA | 0.001 µF,50V |
| C12,13 | VCKYTV1EB103K | J | AA | 0.01 µF,25V |
| C14 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C15 | VCKYTV1EB103K | J | AA | 0.01 µF,25V |
| C16 | VCKYTV1HB102K | J | AA | 0.001 µF,50V |
| C17 | RC-GZA227AF0J | J | AB | 220 µF,6.3V,Electrolytic |
| C18 | RC-GZA107AF0J | J | AB | 100 µF,6.3V,Electrolytic |
| C20 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C201 | VCKYTV1HB102K | J | AA | 0.001 µF,50V |
| C202 | VCKYTV1HB103K | J | AA | 0.01 µF,50V |
| C203 | VCKYTV1HB472K | J | AA | 0.0047 µF,50V |
| C204 | VCCUTV1HJ7R0D | J | AA | 7 pF (UJ),50V |
| C205 | VCKYTV1HB472K | J | AA | 0.0047 µF,50V |
| C206 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C207 | VCKYPA1HB102K | J | AA | 0.001 µF,50V |
| C208 | VCKYTV1HB102K | J | AA | 0.001 µF,50V |
| C209 | VCCCPA1HH150J | J | AA | 15 pF (CH),50V |
| C210 | VCCSTV1HL330J | J | AA | 33 pF,50V |
| C212 | VCCCTV1HH220J | J | AA | 22 pF (CH),50V |
| C213 | VCKYPA1HB101K | J | AA | 100 pF,50V |
| C214 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C215 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C216 | VCCCTV1HH4R7C | J | AA | 4.7 pF (CH),50V |
| C217 | VCCCTV1HH180J | J | AA | 18 pF (CH),50V |
| C218 | VCCUPA1HJ8R0D | J | AA | 8 pF (UJ),50V |
| C219 | VCKYPA1HF473Z | J | AB | 0.047 µF,50V |
| C220 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C221 | VCCUPA1HJ180J | J | AA | 18 pF (UJ),50V |
| C222 | VCCCPA1HH180J | J | AA | 18 pF (CH),50V |
| C223 | VCKYPA1HB471K | J | AA | 470 pF,50V |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| C224 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C225 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C226 | VCCSPA1HL330J | J | AA | 33 pF,50V |
| C227 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C228 | VCKYTV1EF104Z | J | AA | 0.1 µF,25V |
| C229,230 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C231 | VCCSPA1HL220J | J | AA | 22 pF,50V |
| C232 | VCKYPA1HB102K | J | AA | 0.001 µF,50V |
| C233 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C234 | RC-GZA224AF1H | J | AA | 0.22 µF,50V,Electrolytic |
| C235 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C236 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C237 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C238 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C239 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C240 | VCKYTV1EB104K | J | AA | 0.1 µF,25V |
| C241 | VCKYTV1HB681K | J | AA | 680 pF,50V |
| C242 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C243 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C244 | VCCSPA1HL560J | J | AA | 56 pF,50V |
| C245 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C246 | VCKYPA1HB392K | J | AA | 4.7 µF,50V,Electrolytic |
| C247 | VCTYPA1CX104K | J | AB | 0.1 µF,16V |
| C248 | VCTYPA1EX472K | J | AA | 0.0047 µF,25V |
| C249 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C250 | VCKYTV1HB102K | J | AA | 0.001 µF,50V |
| C251,252 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C253,254 | VCTYPA1EX183K | J | AA | 0.018 µF,25V |
| C255 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C260 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C261 | VCCCTV1HH120J | J | AA | 12 pF (CH),50V |
| C262 | VCCCTV1HH150J | J | AA | 15 pF (CH),50V |
| C263 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C264 | VCKYPA1HB102K | J | AA | 0.001 µF,50V |
| C265 | VCKYTV1HB103K | J | AA | 0.01 µF,50V |
| C266 | VCKYTV1HB331K | J | AA | 330 pF,50V |
| C267 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C268 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C269 | VCKYTV1HB102K | J | AA | 0.001 µF,50V |
| C270 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C271 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C272 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C273 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C274 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C275 | RC-GZA107AF1A | J | AB | 100 µF,10V,Electrolytic |
| C276 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C281 | VCKYTV1EF223Z | J | AA | 0.022 µF,25V |
| C282 | VCKYTV1EF103Z | J | AA | 0.01 µF,25V |
| C285 | VCKYPA1HF103Z | J | AB | 0.01 µF,16V |
| C286 | VCCSTV1HL180J | J | AA | 18 pF,50V |
| C401,402 | VCKYPA1HB391K | J | AA | 390 pF,50V |
| C405,406 | VCKYPA1HB331K | J | AA | 330 pF,50V |
| C407,408 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C409~412 | VCCSPA1HL470J | J | AA | 47 pF,50V |
| C413,414 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C415,416 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C421~424 | VCKYPA1HB391K | J | AA | 390 pF,50V |
| C425 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C427 | VCKYPA1HB331K | J | AA | 330 pF,50V |
| C428 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C429 | VCTYPA1CX563K | J | AB | 0.056 µF,16V |
| C430 | VCCSPA1HL470J | J | AA | 47 pF,50V |
| C431 | VCKYPA1HB682K | J | AB | 0.0068 µF,50V |
| C432 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C433 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C434 | VCCSPA1HL470J | J | AA | 47 pF,50V |
| C435 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C436 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C437,438 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C453~456 | VCTYPA1CX104K | J | AB | 0.1 µF,16V |
| C457~460 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C461,462 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C463,464 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C465 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C466 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C467 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C468~470 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C471 | RC-GZA334AF1H | J | AA | 0.33 µF,50V,Electrolytic |
| C472 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C473 | VCQYKA1HM823J | J | AC | 0.082 µF,50V,Mylar |
| C474 | VCKYPA1HB332K | J | AA | 0.0033 µF,50V |
| C475 | VCQYKA1HM823J | J | AC | 0.082 µF,50V,Mylar |
| C476 | RC-GZA227AF1C | J | AB | 220 µF,16V,Electrolytic |
| C477 | VCKYPA1HB681K | J | AA | 680 pF,50V |
| C478 | VCTYPA1EX473K | J | AA | 0.047 µF,25V |
| C479 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C480 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C483 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C484 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C485 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C486 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C487 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C488 | RC-GZA154AF1H | J | AA | 0.15 µF,50V,Electrolytic |
| C489 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C490,491 | RC-GZA154AF1H | J | AA | 0.15 µF,50V,Electrolytic |
| C492 | RC-GZA335AF1H | J | AB | 3.3 µF,50V,Electrolytic |
| C493 | RC-GZA154AF1H | J | AA | 0.15 µF,50V,Electrolytic |
| C494 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C495 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C496 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C497 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C501~510 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C511,512 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C513,514 | VCKYPA1HB101K | J | AA | 100 pF,50V |
| C515~518 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C519,520 | RC-GZA474AF1H | J | AA | 0.47 µF,50V,Electrolytic |
| C521,522 | VCQYKA1HM473J | J | AB | 0.047 µF,50V,Mylar |
| C523,524 | RC-GZA154AF1H | J | AA | 0.15 µF,50V,Electrolytic |
| C525,526 | VCQYKA1HM393J | J | AB | 0.039 µF,50V,Mylar |
| C535,536 | VCQYKA1HM332J | J | AB | 0.0033 µF,50V,Mylar |
| C537,538 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C539,540 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C541,542 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C543,544 | RC-GZA105AF1H | J | AB | 1 µF,50V,Electrolytic |
| C545,546 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C547,548 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C549 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C550 | RC-GZA337AF1C | J | AC | 330 µF,16V,Electrolytic |
| C551~553 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C554 | RC-GZA337AF1C | J | AC | 330 µF,16V,Electrolytic |
| C561,562 | VCKYPA1HB221K | J | AA | 220 pF,50V |
| C563,564 | VCCSPA1HL470J | J | AA | 47 pF,50V |
| C565,566 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C567,568 | RC-GZA475AF1H | J | AB | 4.7 µF,50V,Electrolytic |
| C569,570 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C569B,C | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C570B,C | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C577,578 | RC-GZA225AF1H | J | AB | 2.2 µF,50V,Electrolytic |
| C581,582 | VCKYPA1HB221K | J | AA | 220 pF,50V |
| C583,584 | VCCSPA1HL470J | J | AA | 47 pF,50V |
| C585,586 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C587,588 | RC-GZA106AF1C | J | AB | 10 µF,16V,Electrolytic |
| C601,602 | VCFYDA1HA473J | J | AB | 0.047 µF,50V,Thin Film |
| C604 | RC-GZA476AF1C | J | AB | 47 µF,16V,Electrolytic |
| C605 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C606 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C607 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C609 | VCKYPA1HF473Z | J | AB | 0.047 µF,50V |
| C610 | RC-GZV228AF1C | J | AG | 2200 µF,16V,Electrolytic |
| C611,612 | RC-GZA107AF1H | J | AC | 100 µF,50V,Electrolytic |
| C613 | RC-GZA476AF1J | J | AC | 47 µF,63V,Electrolytic |
| C614 | RC-GZV227AF1J | J | AD | 220 µF,63V,Electrolytic |
| C615,616 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C617 | RC-GZA107AF1V | J | AB | 100 µF,35V,Electrolytic |
| C618,619 | VCKYPA1HF473Z | J | AB | 0.047 µF,50V |
| C620,621 | VCFYDA1HA104J | J | AB | 0.1 µF,50V,Thin Film |
| C622 | RC-GZW228AF1E | J | AE | 2200 µF,25V,Electrolytic |
| C623 | RC-GZA227AF1E | J | AB | 220 µF,25V,Electrolytic |
| C624 | RC-GZA476AF1E | J | AB | 47 µF,25V,Electrolytic |
| C630,631 | VCFYDA1HA104J | J | AB | 0.1 µF,50V,Thin Film |
| C632,633 | RC-GZW478AF1H | J | AH | 4700 µF,50V,Electrolytic |
| C634 | RC-GZA227AF1E | J | AB | 220 µF,25V,Electrolytic |
| C635 | VCKYPA1HF223Z | J | AB | 0.022 µF,50V |
| C640,641 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C642 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C666~670 | VCKYPA1HF103Z | J | AB | 0.01 µF,16V |
| C701,702 | VCKYPA1HB221K | J | AA | 220 pF,50V |
| C703,704 | VCCSPA1HL330J | J | AA | 33 pF,50V |
| C705,706 | RC-GZA107AF1V | J | AB | 100 µF,35V,Electrolytic |
| C707,708 | VCKYPA1HB331K | J | AA | 330 pF,50V |
| C709 | RC-GZV107AF1V | J | | 100 µF,35V,Electrolytic |
| C711~714 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C715,716 | VCQYKA1HM223J | J | AB | 0.022 µF,50V,Mylar |
| C717 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |

# HT-DP2500W

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| C719~722 | VCQYKA1HM104K | J | AB | 0.1 µF,50V,Mylar |
| C741 | VCKYPA1HB221K | J | AA | 220 pF,50V |
| C742 | VCCSPA1HL330J | J | AA | 33 pF,50V |
| C743 | RC-GZA107AF1V | J | AB | 100 µF,35V,Electrolytic |
| C744 | VCKYPA1HB331K | J | AA | 330 pF,50V |
| C745 | RC-GZV476AF1H | J | | 47 µF,50V,Electrolytic |
| C746,747 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C748 | VCQYKA1HM223J | J | AB | 0.022 µF,50V,Mylar |
| C749 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C750,751 | VCQYKA1HM104K | J | AB | 0.1 µF,50V,Mylar |
| C761 | VCKYPA1HB221K | J | AA | 220 pF,50V |
| C762 | VCCSPA1HL330J | J | AA | 33 pF,50V |
| C763 | RC-GZA107AF1V | J | AB | 100 µF,35V,Electrolytic |
| C764 | VCKYPA1HB331K | J | AA | 330 pF,50V |
| C765 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C766,767 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C768 | VCQYKA1HM223J | J | AB | 0.022 µF,50V,Mylar |
| C769 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C770,771 | VCQYKA1HM104K | J | AB | 0.1 µF,50V,Mylar |
| C781 | VCKYPA1HB221K | J | AA | 220 pF,50V |
| C782 | VCCSPA1HL330J | J | AA | 33 pF,50V |
| C783 | RC-GZA107AF1V | J | AB | 100 µF,35V,Electrolytic |
| C784 | VCKYPA1HB331K | J | AA | 330 pF,50V |
| C785 | RC-GZA226AF1H | J | AB | 22 µF,50V,Electrolytic |
| C786,787 | RC-GZA106AF1H | J | AB | 10 µF,50V,Electrolytic |
| C788 | VCQYKA1HM223J | J | AB | 0.022 µF,50V,Mylar |
| C789 | RC-GZA476AF1H | J | AB | 47 µF,50V,Electrolytic |
| C790,791 | VCQYKA1HM104K | J | AB | 0.1 µF,50V,Mylar |

## RESISTORS

| | | | | |
|---|---|---|---|---|
| | VRS-TV2AB000J | J | AA | 0 ohm,Jumper,1.25×2mm,Green |
| J202 | VRS-TV2AB153J | J | AA | 15 kohms,1/10W |
| R1~7 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R8~10 | VRD-ST2EE102J | J | AA | 1 kohm,1/4W |
| R11~15 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R19~23 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R25~31 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R33 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R38 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R40,41 | VRD-ST2EE102J | J | AA | 1 kohm,1/4W |
| R42,43 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R51~53 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R56 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R58~61 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R62 | VRS-TV2AB123J | J | AA | 12 kohms,1/10W |
| R65,66 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R69 | VRS-TV2AB473J | J | AA | 47 kohms,1/10W |
| R70 | VRD-ST2EE473J | J | AA | 47 kohms,1/4W |
| R71 | VRS-TV2AB473J | J | AA | 47 kohms,1/10W |
| R72 | VRD-ST2EE473J | J | AA | 47 kohms,1/4W |
| R73,74 | VRS-TV2AB473J | J | AA | 47 kohms,1/10W |
| R75 | VRS-TV2AB104J | J | AA | 100 kohm,1/10W |
| R88 | VRS-TV2AB473J | J | AA | 47 kohms,1/10W |
| R90 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R92 | VRD-ST2EE473J | J | AA | 47 kohms,1/4W |
| R120 | VRD-ST2EE182J | J | AA | 1.8 kohms,1/4W |
| R121 | VRS-TV2AB182J | J | AA | 1.8 kohms,1/10W |
| R122 | VRD-ST2EE272J | J | AA | 2.7 kohms,1/4W |
| R123 | VRD-ST2EE392J | J | AA | 3.9 kohms,1/4W |
| R124 | VRD-ST2EE562J | J | AA | 5.6 kohms,1/4W |
| R125 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R126,127 | VRS-TV2AB182J | J | AA | 1.8 kohms,1/10W |
| R128 | VRS-TV2AB272J | J | AA | 2.7 kohms,1/10W |
| R129 | VRS-TV2AB392J | J | AA | 3.9 kohms,1/10W |
| R130 | VRS-TV2AB562J | J | AA | 5.6 kohms,1/10W |
| R131 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R138,139 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R140 | VRD-ST2EE332J | J | AA | 3.3 kohms,1/4W |
| R141 | VRS-TV2AB104J | J | AA | 100 kohm,1/10W |
| R142 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R143,144 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R145 | VRS-TV2AB820J | J | AA | 82 ohms,1/10W |
| R146 | VRS-TV2AB101J | J | AA | 100 ohm,1/10W |
| R147 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R148 | VRD-ST2EE470J | J | AA | 47 ohms,1/4W |
| R149 | VRS-TV2AB151J | J | AA | 150 ohms,1/10W |
| R150 | VRS-TV2AB222J | J | AA | 2.2 kohms,1/10W |
| R151~154 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R156 | VRS-TV2AB472J | J | AA | 4.7 kohms,1/10W |
| R157 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R158 | VRS-TV2AB223J | J | AA | 22 kohms,1/10W |
| R162 | VRS-TV2AB473J | J | AA | 47 kohms,1/10W |
| R163~165 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R169 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R175 | VRD-ST2EE562J | J | AA | 5.6 kohms,1/4W |
| R201 | VRD-ST2CD220J | J | AA | 22 ohms,1/6W |
| R202 | VRS-TV2AB104J | J | AA | 100 kohm,1/10W |
| R203 | VRS-TV2AB333J | J | AA | 33 kohms,1/10W |
| R204 | VRD-ST2EE473J | J | AA | 47 kohms,1/4W |
| R205 | VRD-ST2EE681J | J | AA | 680 ohms,1/4W |
| R206 | VRS-TV2AB100J | J | AA | 10 ohm,1/10W |
| R207 | VRD-ST2EE470J | J | AA | 47 ohms,1/4W |
| R208 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R209 | VRD-ST2EE471J | J | AA | 470 ohms,1/4W |
| R210 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R211 | VRD-ST2EE104J | J | AA | 100 kohm,1/4W |
| R212 | VRD-ST2EE330J | J | AA | 33 ohms,1/4W |
| R213 | VRD-ST2EE220J | J | AA | 22 ohms,1/4W |
| R214 | VRD-ST2CD683J | J | AA | 68 kohms,1/6W |
| R215 | VRD-ST2EE104J | J | AA | 100 kohm,1/4W |
| R216 | VRD-ST2EE472J | J | AA | 4.7 kohms,1/4W |
| R217 | VRS-TV2AB223J | J | AA | 22 kohms,1/10W |
| R218 | VRS-TV2AB562J | J | AA | 5.6 kohms,1/10W |
| R219 | VRS-TV2AB102J | J | AA | 1 kohm,1/10W |
| R220 | VRS-TV2AB271J | J | AA | 270 ohms,1/10W |
| R221 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R222 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R223 | VRD-ST2EE474J | J | AA | 470 kohms,1/4W |
| R224 | VRD-ST2CD822J | J | AA | 8.2 kohms,1/6W |
| R225 | VRD-ST2CD182J | J | AA | 1.8 kohms,1/6W |
| R226 | VRD-ST2EE472J | J | AA | 4.7 kohms,1/4W |
| R227 | VRD-ST2EE392J | J | AA | 3.9 kohms,1/4W |
| R228 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R229,230 | VRD-ST2EE272J | J | AA | 2.7 kohms,1/4W |
| R231 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R232~235 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R236 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R237 | VRD-ST2EE562J | J | AA | 5.6 kohms,1/4W |
| R238 | VRS-TV2AB222J | J | AA | 2.2 kohms,1/10W |
| R239 | VRD-ST2CD152J | J | AA | 1.5 kohms,1/6W |
| R240 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R241 | VRD-ST2EE331J | J | AA | 330 ohms,1/4W |
| R242,243 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R244 | VRD-ST2EE331J | J | AA | 330 ohms,1/4W |
| R245 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R246,247 | VRD-ST2EE271J | J | AA | 270 ohms,1/4W |
| R248 | VRD-ST2EE102J | J | AA | 1 kohm,1/4W |
| R249 | VRD-ST2EE473J | J | AA | 47 kohms,1/4W |
| R250 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R251 | VRS-TV2AB223J | J | AA | 22 kohms,1/10W |
| R253 | VRD-ST2CD683J | J | AA | 68 kohms,1/6W |
| R281 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R282 | VRD-ST2CD471J | J | AA | 470 ohms,1/6W |
| R283 | VRD-ST2CD331J | J | AA | 330 ohms,1/6W |
| R285 | VRD-ST2CD330J | J | AA | 33 ohms,1/6W |
| R299 | VRS-TV2AB470J | J | AA | 47 ohms,1/10W |
| R401,402 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R403,404 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R405,406 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R407,408 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R409,410 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R411,412 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R413,414 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R415,416 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R417,418 | VRD-ST2CD822J | J | AA | 8.2 kohms,1/6W |
| R419,420 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R421,422 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R423,424 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R425,426 | VRD-ST2CD333J | J | AA | 33 kohms,1/6W |
| R427,428 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R430 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R432 | VRD-ST2CD562J | J | AA | 5.6 kohms,1/6W |
| R433 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R434 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R435,436 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R437 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R438 | VRD-ST2CD154J | J | AA | 150 kohms,1/6W |
| R440 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R448,449 | VRD-ST2EE221J | J | AA | 220 ohms,1/4W |
| R459~462 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R463 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R464 | VRD-ST2CD393J | J | AA | 39 kohms,1/6W |
| R465 | VRD-ST2CD105J | J | AA | 1 Mohm,1/6W |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| R469~472 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R474~476 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R479,480 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R501,502 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R503,504 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R511~522 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R528~530 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R531 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R532 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R533 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R550 | VRD-ST2CD153J | J | AA | 15 kohms,1/6W |
| R551~553 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R554B,C | VRD-ST2EE221J | J | AA | 220 ohms,1/4W |
| R555B,C | VRD-ST2EE221J | J | AA | 220 ohms,1/4W |
| R561,562 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R563,564 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R565,566 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R567,568 | VRD-ST2CD822J | J | AA | 8.2 kohms,1/6W |
| R569,570 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R571,572 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R581,582 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R583,584 | VRD-ST2CD223J | J | AA | 22 kohms,1/6W |
| R585,586 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R587,588 | VRD-ST2CD392J | J | AA | 3.9 kohms,1/6W |
| R589,590 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R591,592 | VRD-ST2EE101J | J | AA | 100 ohm,1/4W |
| R594 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R596 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R598 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R600 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R603 | VRD-ST2EE821J | J | AA | 820 ohms,1/4W |
| R604,605 | VRD-ST2CD470J | J | AA | 47 ohms,1/6W |
| R606 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R607 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R608 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R610 | VHHRXE030//-1 | J | AN | 1 ohm,Semicondactor |
| R611,612 | VRD-ST2EE1R0J | J | AA | 1 ohm,1/4W |
| R613 | VRD-ST2EE222J | J | AA | 2.2 kohms,1/4W |
| R614 | VRD-ST2EE101J | J | AA | 100 ohm,1/4W |
| R615 | VRD-ST2CD123J | J | AA | 12 kohms,1/6W |
| R616,617 | VRD-ST2EE221J | J | AA | 220 ohms,1/4W |
| R620 | VRD-ST2EE561J | J | AA | 560 ohms,1/4W |
| R621 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R622 | VRD-ST2CD470J | J | AA | 47 ohms,1/6W |
| R623 | VRS-VV3AA471J | J | | 470 ohms,1W |
| R624 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R626 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R627 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R628 | VRD-ST2EE470J | J | AA | 47 ohms,1/4W |
| R629 | VRS-TV2AB223J | J | AA | 22 kohms,1/10W |
| R630 | VRS-TV2AB392J | J | AA | 3.9 kohms,1/10W |
| R631 | VRS-TV2AB103J | J | AA | 10 kohm,1/10W |
| R701,702 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R703,704 | VRD-ST2CD103J | J | AA | 10 kohm,1/6W |
| R705,706 | VRD-ST2CD122J | J | AA | 1.2 kohms,1/6W |
| R707,708 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R709,710 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R713,714 | VRS-VV3AAR20J | J | AB | 0.2 ohms,1W |
| R715,716 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R717,718 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |
| R719 | VRD-ST2CD183J | J | AA | 18 kohms,1/6W |
| R720 | VRD-ST2CD123J | J | AA | 12 kohms,1/6W |
| R721 | VRD-ST2CD393J | J | AA | 39 kohms,1/6W |
| R724 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R725~728 | VRD-RT2HD220J | J | AA | 22 ohms,1/2W |
| R729~731 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R733,734 | VRD-RT2HD4R7J | J | AA | 4.7 ohms,1/2W |
| R741 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R742 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R743 | VRD-ST2CD221J | J | AA | 220 ohms,1/6W |
| R744 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R745 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R747 | VRS-VV3AAR20J | J | AB | 0.2 ohms,1W |
| R748 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R749 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |
| R751 | VRD-ST2CD393J | J | AA | 39 kohms,1/6W |
| R752 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R753 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R754 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R756,757 | VRD-RT2HD220J | J | AA | 22 ohms,1/2W |
| R758,759 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R760 | VRD-RT2HD4R7J | J | AA | 4.7 ohms,1/2W |
| R761 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R762 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R763 | VRD-ST2CD122J | J | AA | 1.2 kohms,1/6W |
| R764 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R765 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R767 | VRS-VV3AAR20J | J | AB | 0.2 ohms,1W |
| R768 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R769 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |
| R771 | VRD-ST2CD393J | J | AA | 39 kohms,1/6W |
| R772 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R773 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R774 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R776,777 | VRD-RT2HD220J | J | AA | 22 ohms,1/2W |
| R778,779 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |
| R780 | VRD-RT2HD4R7J | J | AA | 4.7 ohms,1/2W |
| R781 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R782 | VRD-ST2CD332J | J | AA | 3.3 kohms,1/6W |
| R783 | VRD-ST2CD122J | J | AA | 1.2 kohms,1/6W |
| R784 | VRD-ST2CD102J | J | AA | 1 kohm,1/6W |
| R785 | VRD-ST2CD473J | J | AA | 47 kohms,1/6W |
| R787 | VRS-VV3AAR20J | J | AB | 0.2 ohms,1W |
| R788 | VRD-ST2CD222J | J | AA | 2.2 kohms,1/6W |
| R789 | VRD-ST2CD682J | J | AA | 6.8 kohms,1/6W |
| R791 | VRD-ST2CD393J | J | AA | 39 kohms,1/6W |
| R792 | VRD-ST2CD273J | J | AA | 27 kohms,1/6W |
| R793 | VRD-ST2CD472J | J | AA | 4.7 kohms,1/6W |
| R794 | VRD-ST2CD104J | J | AA | 100 kohm,1/6W |
| R795 | VRD-RT2HD4R7J | J | AA | 4.7 ohms,1/2W |
| R796,797 | VRD-RT2HD220J | J | AA | 22 ohms,1/2W |
| R798,799 | VRD-ST2CD563J | J | AA | 56 kohms,1/6W |

## OTHER CIRCUITRY PARTS

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| BI3/CNS3 | QCNWN0038SJZZ | J | AK | Connector Ass'y,4/4Pin |
| BI4/CNS4 | QCNWN0036SJZZ | J | AN | Connector Ass'y,8/8Pin |
| BI5/CNS5 | QCNWN0031SJZZ | J | AK | Connector Ass'y,3/3Pin |
| ⚠ BI6A4/CNS6A4 | QCNWN0083SJZZ | J | | Connector Ass'y,4/4Pin |
| ⚠ BI6B4/CNS6B4 | QCNWN0084SJZZ | J | | Connector Ass'y,2/2Pin |
| BI581/CNS581 | QCNWN0037SJZZ | J | AM | Connector Ass'y,5/5Pin |
| ⚠ BI601/CNS601 | QCNWN0057SJZZ | J | | Connector Ass'y,5/5Pin |
| BI602/CNS602 | QCNWN0030SJZZ | J | AP | Connector Ass'y,7/7Pin |
| BI603/CNS603 | QCNWN0076SJZZ | J | AN | Connector Ass'y,5/5Pin |
| CNP1A | QCNCWZF23AWZZ | J | AK | Socket,23Pin |
| CNP1B | QCNCWZG23AWZZ | J | AK | Socket,23Pin |
| CNP3 | QCNCM999DAFZZ | J | AG | Plug,4Pin |
| CNP4 | QCNCM998HAFZZ | J | AH | Plug,8Pin |
| CNP5 | QCNCM999CAFZZ | J | AG | Plug,3Pin |
| ⚠ CNP6A4 | QCNCM036DAWZZ | J | | Plug,4Pin |
| ⚠ CNP6B4 | QCNCM036BAWZZ | J | AC | Plug,2Pin |
| CNP201 | QCNCM010MAWZZ | J | AC | Plug,10Pin |
| CNP581 | QCNCM999EAFZZ | J | AG | Plug,5Pin |
| ⚠ CNP601 | QCNCM036EAWZZ | J | AF | Plug,5Pin |
| CNP602 | QCNCM998GAFZZ | J | AH | Plug,7Pin |
| CNP603 | QCNCM998EAFZZ | J | AG | Plug,6Pin |
| CNP611 | QCNCM999BAFZZ | J | AK | Plug,2Pin |
| CNP612 | QCNCM999BAFZZ | J | AK | Plug,2Pin |
| CNP613 | QCNCM999BAFZZ | J | AK | Plug,2Pin |
| CNS201 | QCNCW010MAWZZ | J | AD | Socket,12Pin |
| CNS611 | QCNWN0055SJZZ | J | AS | Connector Ass'y,2Pin |
| CNS612A/B | QCNWN0075SJZZ | J | | Connector Ass'y,2/2Pin |
| ⚠ F601 | QFS-C252ASJNI | J | AH | Fuse,T2.5A L 250V |
| ⚠ F602 | QFS-C132ASJNI | J | AH | Fuse,T1.25A L 250V |
| ⚠ F603 | QFS-C101ASJNI | J | AL | Fuse,T100mA L 250V |
| ⚠ F611 | QFS-C801ASJNI | J | AH | Fuse,T800mA L 250V |
| FC1 | QCNWN0032SJZZ | J | AL | Flat Cable,23Pin |
| FL1 | VVKBT211GK/-1 | J | BG | FL Display |
| J581 | QJAKJ0001SJZZ | J | AM | Jack,Headphones |
| JK401 | QJAKZ0001SJZZ | J | AP | Jack,Audio Input/Output |
| M671 | RMOTV0439AFZZ | J | AM | Motor Air Cooling Fan |
| ⚠ RLY601 | RRLYD0001SJZZ | J | AQ | Relay |
| RX1 | VHLN64H380A-1 | J | AK | Remote Sensor,N64H380A |
| SO701 | QCNCM772HAFZZ | J | AN | Terminal,Front/Center/Sub Speakers |
| SO702 | QCNCM772DAFZZ | J | AD | Terminal,Surround Speakers |
| SOC201 | QTANC0301AWZZ | J | AH | Terminal,Antenna |
| SW1 | QSW-P0002SJZZ | J | AH | Switch,Push Type [On Stand-by] |
| SW2 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Timer/Sleep] |
| SW3 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Dolby Pro Logic] |
| SW4 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Equalizer] |
| SW5 | QSW-K0005AWZZ | J | AC | Switch,Key Type [X-BASS] |
| SW6 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Enter] |

# HT-DP2500W

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|
| SW7 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Volume Down] |
| SW8 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Volume Up] |
| SW9 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Memory/Set] |
| SW10 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Tuning Up] |
| SW11 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Tuning Down] |
| SW12 | QSW-K0005AWZZ | J | AC | Switch,Key Type [Tuner (Band)] |
| SW13 | QSW-K0005AWZZ | J | AC | Switch,Key Type [CD/AUX] |
| SW14 | QSW-K0005AWZZ | J | AC | Switch,Key Type [VCR-2] |
| SW15 | QSW-K0005AWZZ | J | AC | Switch,Key Type [VCR-1] |
| SW23 | QSW-Z0003AWZZ | J | AH | Switch,Rotary Type [Jog Dial] |
| ⚠ SW601 | QSOCE0001SJZZ | J | | Switch,Slide Type [Voltage Selector] |

## CABINET PARTS

| | | | | |
|---|---|---|---|---|
| 201 | GCAB-3001SJSA | J | BB | Top Cabinet |
| 202 | PCOVW1008SJZZ | J | | Cover,Power Supply PWB |
| 203 | GITAR0007SJSA | J | | Rear Panel |
| 204 | LANGK0004SJFW | J | AF | Bracket,Tuner PWB,Front |
| 205 | LANGK0005SJFW | J | AE | Bracket,Tuner PWB,Rear |
| 206 | GLEGP0001SJSA | J | AF | Leg,Main Chassis |
| 207 | LCHSM0001SJFW | J | AZ | Main Chassis |
| 208 | LANGK0003SJFW | J | AE | Bracket,Heat Sink,Main/Sub |
| 209 | JKNBZ0007SJSA | J | AH | Button,Function |
| 210 | JKNBZ0008SJSA | J | AF | Button,Enter |
| 211 | JKNBK0009SJSA | J | AG | Knob,Volume |
| 212 | CPNLC1017SJ01 | J | | Front Panel Ass'y |
| 212- 1 | ———— | | — | Front Panel (Not Replacement Item) |
| 212- 2 | HBDGA1002SJSA | J | AF | Badge,SHARP |
| 212- 3 | HDECB0001SJSA | J | AE | Decoration,Leg |
| 212- 4 | PCUSG0001SJZZ | J | AD | Leg,Front Panel |
| 213 | HDECQ0003SJSA | J | AM | Panel,FL Display |
| 214 | HDECQ0004SJSA | J | AG | Decoration Ring,Jog Dial |
| 215 | LHLDW1001SJZZ | J | AD | Nylon Band |
| 216 | MSPRD0004SJFJ | J | AD | Spring,Volume Knob |
| 217 | JKNBK0010SJSA | J | AF | Button,On Stand-by |
| 218 | JKNBK0008SJSA | J | AG | Knob,Jog Dial |
| 219 | JKNBK0011SJSA | J | AE | Knob,Sub Woofer Volume Control |
| ⚠ 220 | QACCE0008AW00 | J | AG | AC Power Supply Cord[Except for Australia] |
| ⚠ 220 | QACCL0005AW00 | J | AN | AC Power Supply Cord[For Australia] |
| ⚠ 221 | QFSHD0001AWZZ | J | AB | Holder,Fuse |
| ⚠ 222 | LBSHC0001SJZZ | J | AE | Bushing,AC Power Supply Cord |
| 223 | LHLDZ1007SJZZ | J | AF | Holder,FL Display |
| 224 | LHLDZ1008SJZZ | J | AF | Holder,LED |
| 225 | LANGK0002SJFW | J | AE | Bracket,Heat Sink,Main |
| 226 | PRDAR0002SJZZ | J | BB | Heat Sink,Main |
| 227 | PRDAR0003SJZZ | J | AX | Heat Sink,Sub |
| 228 | PRDAR0004SJZZ | J | AL | Heat Sink,Diode |
| 229 | PRDAR0005SJZZ | J | AH | Heat Sink,Transistor |
| ⚠ 230 | QLUGP9062AFZZ | J | AA | Lug,Terminal |
| 231 | PRDAR0011SJZZ | J | | Heat Sink,Diode Sub |
| 232 | LANGK0011SJZZ | J | | Bracket,Fan Motor |
| 233 | MSPRK0001SJFJ | J | AG | Spring,Rotary Fan |
| 234 | NFANP0001SJSA | J | | Rotary Fan |
| 235 | PCOVW1004SJZZ | J | AH | Cover,Power Amp.,PWB |
| 236 | PCOVW1007SJZZ | J | | Cover,Voltage Selector Switch PWB |
| 237 | TSPC-0029SJZZ | J | | Label,Specifications [Thailand Only] |
| 601 | XJBSF30P10000 | J | AA | Screw,ø3×10mm |
| 602 | XHBSD40P06000 | J | AA | Screw,ø4×6mm |
| 603 | XJBSD30P08000 | J | AA | Screw,ø3×8mm |
| 604 | XJSSD30P08000 | J | AA | Screw,ø3×8mm |
| 605 | XBBSD20P03000 | J | AA | Screw,ø2×3mm |
| 607 | XEBSD30P10000 | J | AA | Screw,ø3×10mm |
| 608 | XESSD30P10000 | J | AA | Screw,ø3×10mm |
| 609 | XEBSF30P08000 | J | AA | Screw,ø3×8mm |
| 610 | XCBSF30P08000 | J | AA | Screw,ø3×8mm |
| 611 | XJBSD30P10000 | J | AA | Screw,ø3×10mm |
| 612 | XJBSD30P12000 | J | AA | Screw,ø3×12mm |

## ACCESSORIES/PACKING PARTS

| | | | | |
|---|---|---|---|---|
| | QANTL0001SJZZ | J | AK | AM Loop Antenna |
| | QANTW0001SJZZ | J | AH | FM Wire Antenna |
| | QCNWG0003SJZZ | J | AR | Connecting Cord,RCA Type, Audio |
| ⚠ | QPLGA0250AFZZ | J | AF | Adaptor,AC Plug [Except for Australia] |
| | SPAKA0005SJZZ | J | | Packing Add.,Left/Right |
| | SPAKC0029SJZZ | J | | Packing Case [Except for Australia] |
| | SPAKC0030SJZZ | J | | Packing Case [For Australia] |
| | SPAKZ0002SJZZ | J | | Protection Pad [Australia Only] |
| | SSAKA0002SJZZ | J | AE | Polyethylene Bag,Accessories |
| | SSAKH0002SJZZ | J | AF | Polyethylene Bag,Unit |
| | TGANE0001SJZZ | J | | Warranty Card [For Australia] |
| | TINSE0012SJZZ | J | AH | Operation Manual [For Australia] |
| | TINSZ0011SJZZ | J | | Operation Manual [Except for Australia] |
| | TINSZ0012SJZZ | J | | Span Select Caution [Except for Australia/Thailand] |
| | TLABE0014SJZZ | J | | Label,Bar Code [Thailand Only] |
| | TLABN0025SJZZ | J | | Label,SER No. [Except for Australia] |
| | TLABR0989SJZZ | J | | Label,Bar Code [Except for Australia/Thailand] |
| | TLABZ0009SJZZ | J | | Label,Made in China [For Australia/Brasil Only] |
| | TLABZ0010SJZZ | J | | Label,Made in China [Brasil Only] |
| | TLABZ0011SJZZ | J | | Label,SHARP Japan [China Only] |
| | TLABZ0012SJZZ | J | | Label,SHARP Japan [China Only] |
| | TLABZ0015SJZZ | J | | Label,VJ No. |
| | RRMCG0008SJSA | J | AZ | Remote Control |
| | GFTAB1006SJSA | J | | Battery Lid,Remote Control |

## P.W.B. ASSEMBLY (Not Replacement Item)

| | | | | |
|---|---|---|---|---|
| PWB-A1~3 | DCEKJ0003SJ03 | J | — | Main/Washer/Support (Combined Ass'y) |
| PWB-B | DCEKR0001SJ03 | J | — | Tuner |
| PWB-C1~6 | DCEKN0005SJ03 | J | — | Display/Power Supply/Power Amp./Headphones/Switch/ Voltage Selector Switch (Combined Ass'y) |

**CP-F2500W**

## SPEAKER BOX PARTS (Front Speaker)

| | | | | |
|---|---|---|---|---|
| 701 | 9GDYFY910Q002 | J | AT | Net Frame Ass'y |
| 702 | 9GDYFY910Q004 | J | AR | Speaker Box Ass'y |
| 703 | 9GDYFY910Q008 | J | AK | Duct Pipe |
| 704 | 9GDSPT-C23B | J | AE | Terminal,Speaker |
| 705 | 9GDYFY910Q013 | J | AE | Screw,ø4×12mm |
| 706 | 9GDYFY910Q014 | J | AE | Screw,ø3×12mm |
| 707 | 9GDYFY910Q024 | J | | Label,Specifications |
| 708 | 9GDYFY910Q022 | J | AD | Cushion,Speaker Terminal |
| C1,2 | 9GDYFY910Q012 | J | AH | Capacitor,Electrolytic, 3.3 µF,50V,Non-Polar |
| SP1,2 | VSP0010WBW48A | J | AX | Woofer |
| SP3,4 | VSP0005TBL28A | J | AX | Tweeter |

**CP-SW2500W**

## SPEAKER BOX PARTS (Sub Woofer)

| | | | | |
|---|---|---|---|---|
| 701 | 9GDYFY910C002 | J | AU | Net Frame Ass'y |
| 702 | 9GDYFY910C004 | J | AS | Duct Panel Ass'y |
| 703 | PGSK0001SJZZ | J | AD | Cushion,Duct Panel |
| 704 | 9GDYFY910C012 | J | AD | Screw,ø3×10mm |
| 705 | 9GDYFY910C007 | J | AW | Speaker Box Ass'y |
| 706 | 9GDYFY910Q006 | J | AD | Duct Pipe |
| 707 | 9GDSPT-C23B | J | AE | Terminal,Speaker |
| 708 | 9GDYFY910Q013 | J | AE | Screw,ø4×12mm |
| 709 | 9GDYFY910Q014 | J | AE | Screw,ø3×12mm |
| 710 | 9GDYFY910C019 | J | | Label,Specifications |
| 711 | 9GDYFY910Q022 | J | AD | Cushion,Speaker Terminal |
| SP1 | VSP0013WB288A | J | AZ | Woofer |

| NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|---|---|---|---|---|

**CP-C2500W**

## SPEAKER BOX PARTS (Center Speaker)

| | | | | |
|---|---|---|---|---|
| 701 | 9GDYFY910Z002 | J | AU | Net Frame Ass'y |
| 702 | 9GDYFY910Z003 | J | AR | Speaker Box Ass'y |
| 703 | 9GDYFY910Q008 | J | AK | Duct Pipe |
| 704 | 9GDSPT-C23B | J | AE | Terminal,Speaker |
| 705 | 9GDYFY910Q013 | J | AE | Screw,ø4×12mm |
| 706 | 9GDYFY910Q014 | J | AE | Screw,ø3×12mm |
| 707 | 9GDYFY910Z009 | J | AL | Label,Specifications |
| 708 | 9GDYFY910Q022 | J | AD | Cushion,Speaker Terminal |
| SP1 | VSP0010PBW48A | J | AY | Woofer |

**CP-SR2500W**

## SPEAKER BOX PARTS (Surround Speaker)

| | | | | |
|---|---|---|---|---|
| 701 | 9GDYFY910H002 | J | AU | Net Frame Ass'y |
| 702 | 9GDYFY910H004 | J | AR | Speaker Box Ass'y |
| 703 | 9GDSPT-C23B | J | AE | Terminal,Speaker |
| 704 | 9GDYFY910Q013 | J | AE | Screw,ø4×12mm |
| 705 | 9GDYFY910Q014 | J | AE | Screw,ø3×12mm |
| 706 | 9GDYFY910H009 | J | AK | Bracket,Speaker Box |
| 707 | 9GDYFY910H008 | J | AE | Screw,ø3×10mm |
| 708 | 9GDYFY910H011 | J | | Label,Specifications |
| 709 | 9GDYFY910Q022 | J | AD | Cushion,Speaker Terminal |
| SP1,2 | VSP0010PBW5WA | J | AX | Woofer |

## ACCESSORIES/PACKING PARTS

| | | | |
|---|---|---|---|
| QCNWG0001SJZZ | J | AX | Front Speaker Cord Ass'y |
| QCNWG0002SJZZ | J | AX | Surround Speaker Cord Ass'y |
| SPAKA0006SJZZ | J | | Packing Add.,Front/Center/ Surround Speaker |
| SPAKA0007SJZZ | J | | Packing Add.,Sub Woofer |
| SSAKH0003SJZZ | J | AE | Polyethylene Bag,Front/Center Speaker |
| SSAKH0004SJZZ | J | AF | Polyethylene Bag,Surround Speaker |
| SSAKH0005SJZZ | J | AE | Polyethylene Bag,Sub Woofer |
| 9GDYFY910Q025 | J | | Label,Feature Front Speaker [For Australia] |
| 9GDYFY910Q026 | J | | Label,Feature Front Speaker [Except for Australia] |

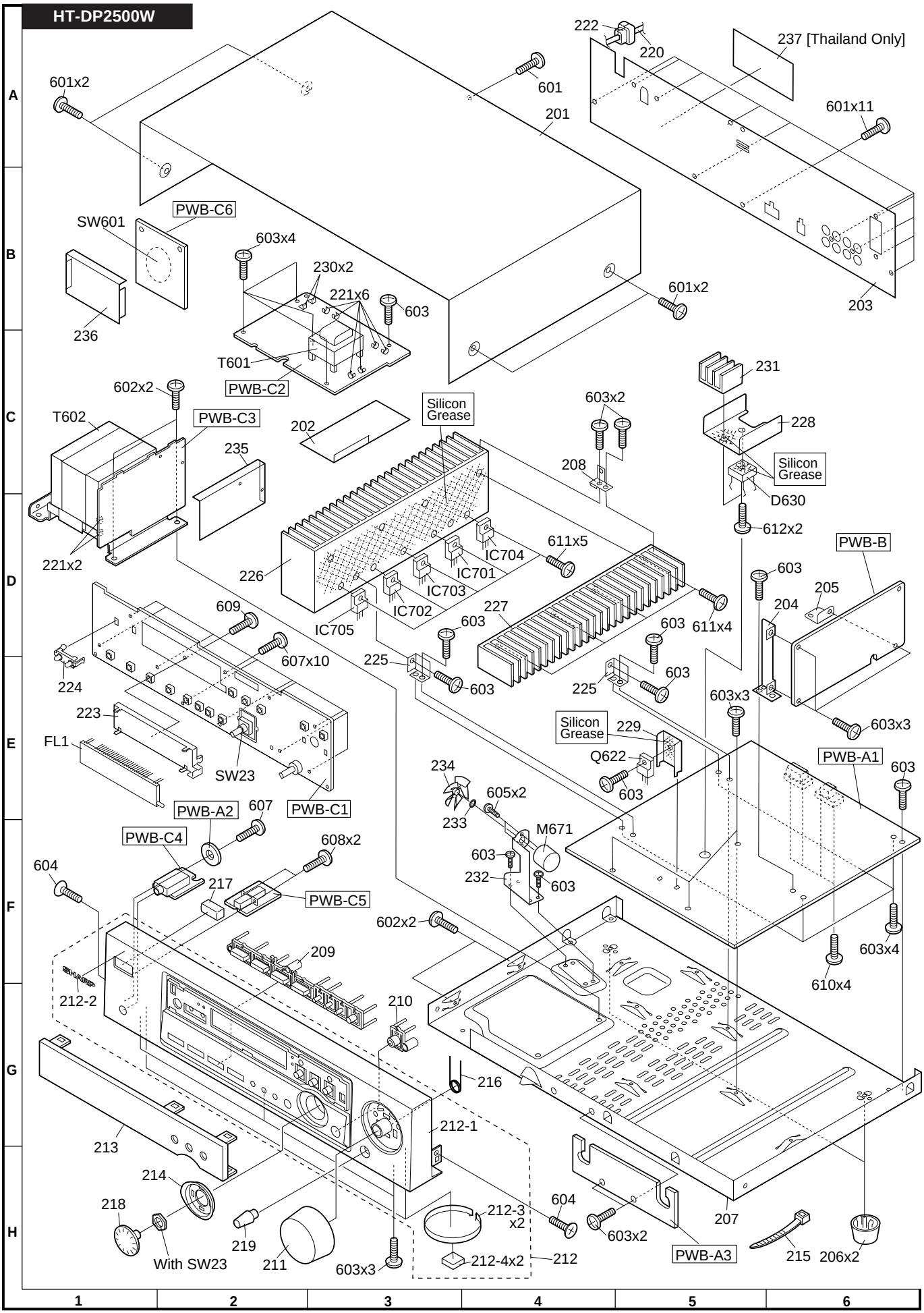



**Figure 7 CABINET EXPLODED VIEW**

CP-F2500W

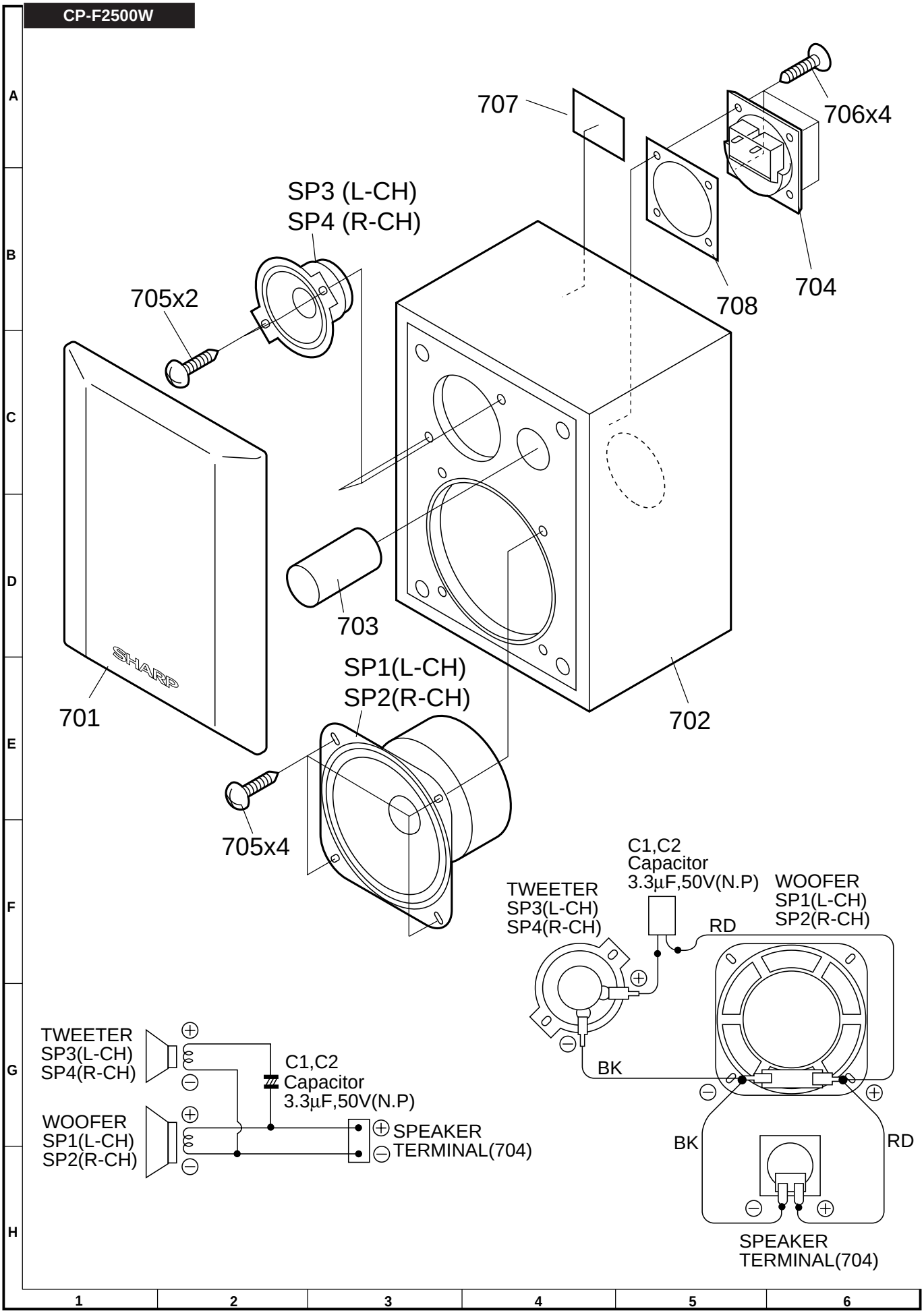



**Figure 8 FRONT SPEAKER EXPLODED VIEW (1/4)**

CP-SW2500W

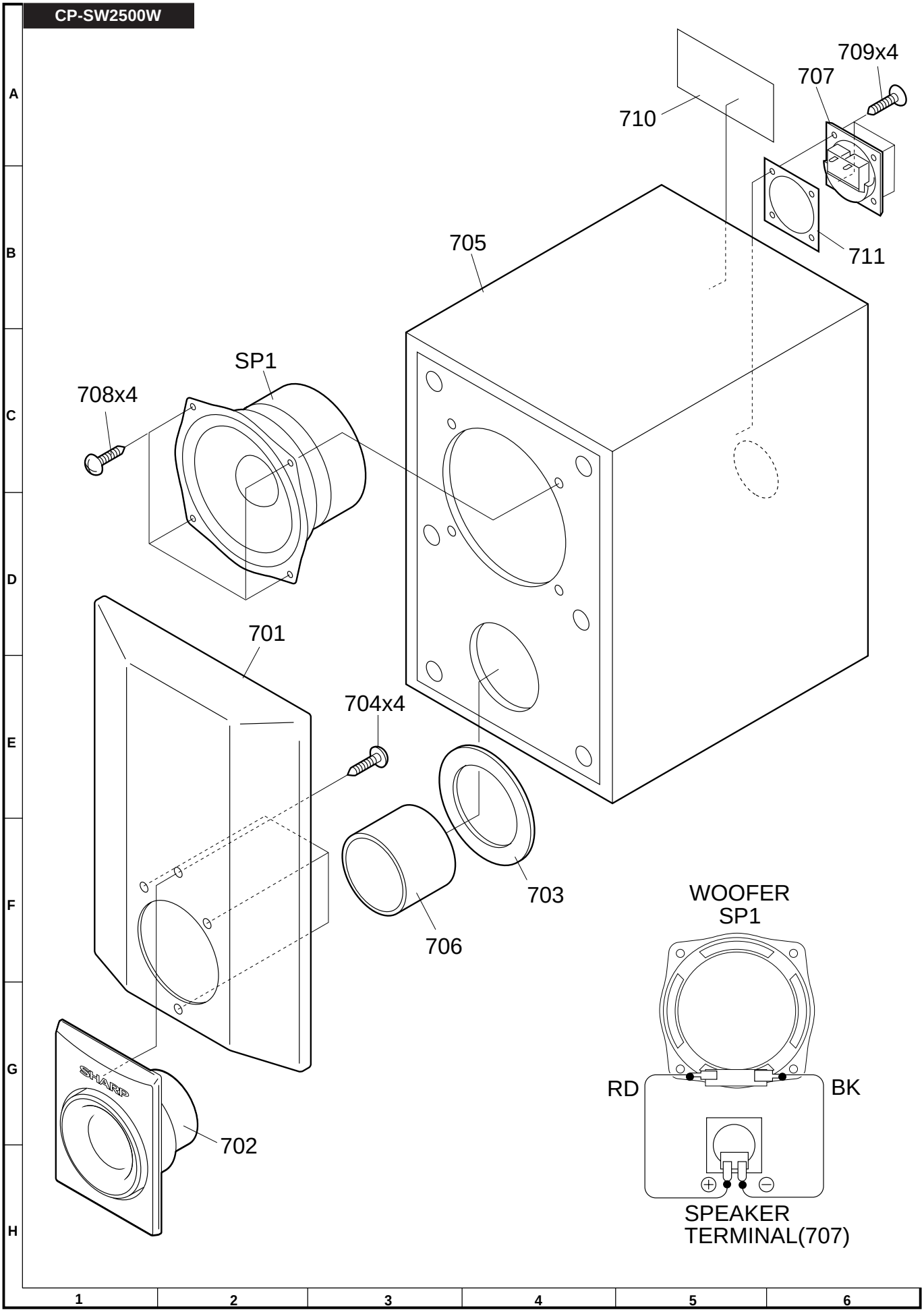



**Figure 9 SUB WOOFER SPEAKER EXPLODED VIEW (2/4)**

**CP-C2500W**

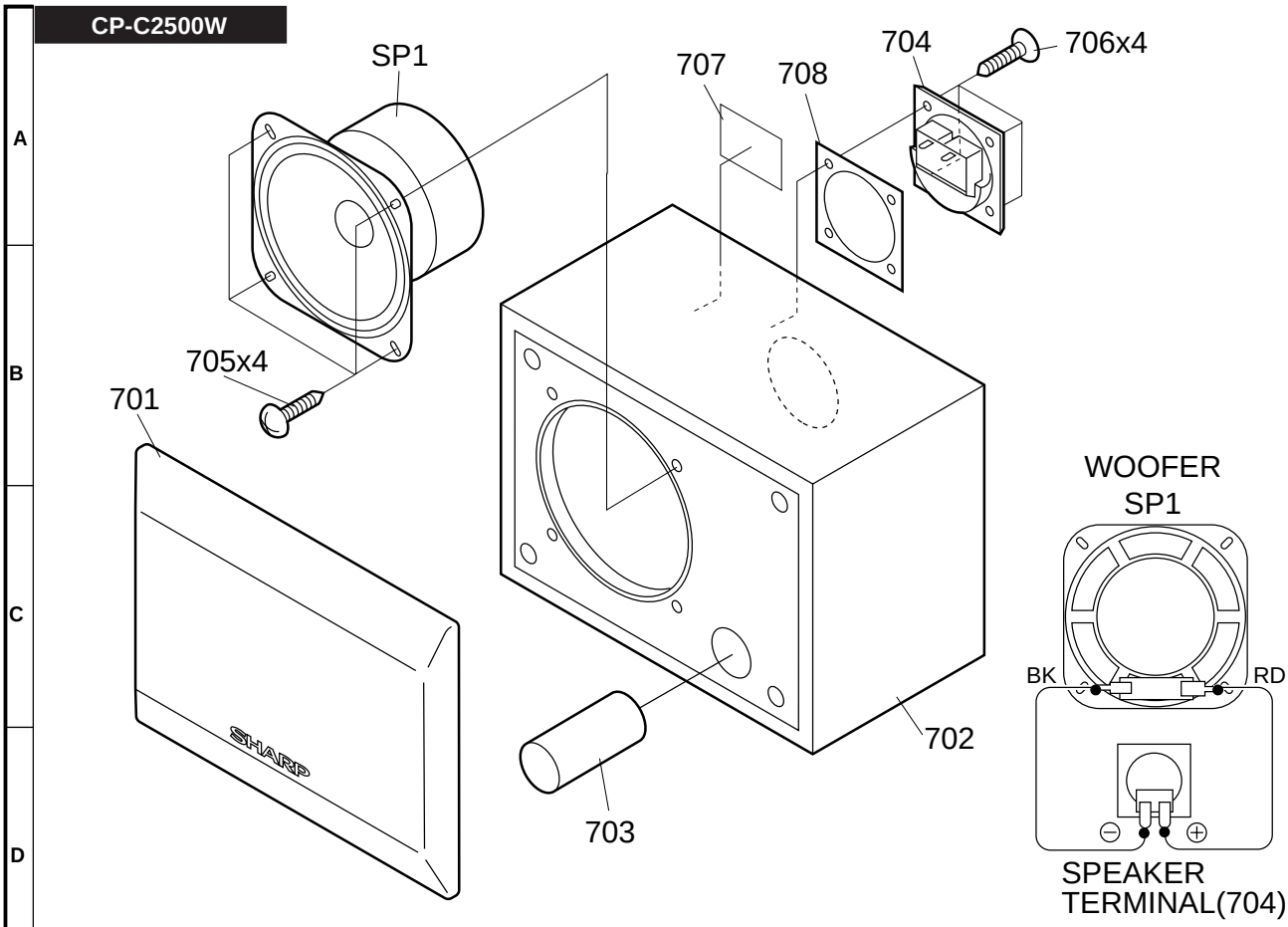



**Figure 10-1 CENTER SPEAKER EXPLODED VIEW (3/4)**

**CP-SR2500W**

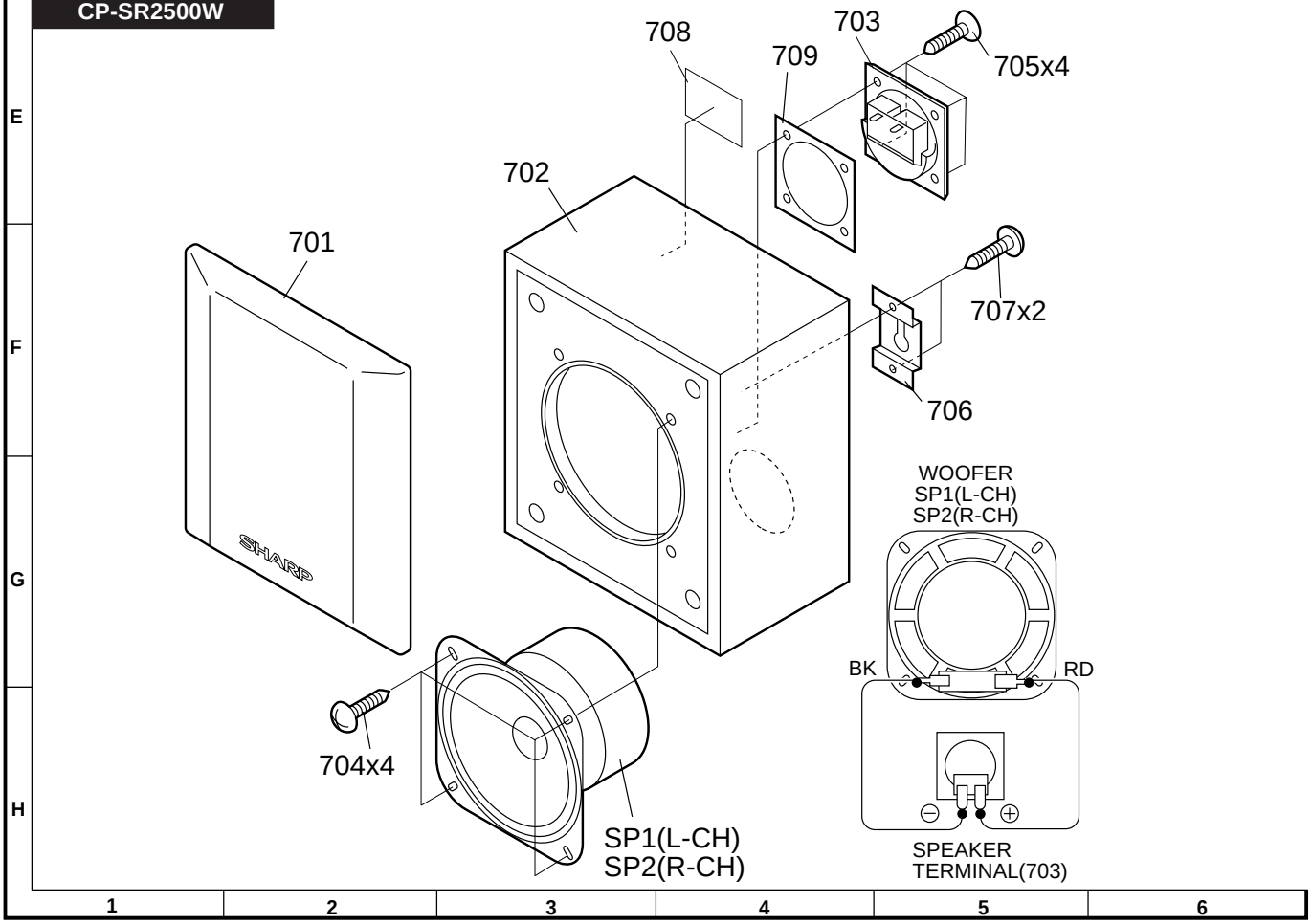



**Figure 10-2 SURROUND SPEAKER EXPLODED VIEW (4/4)**